CPP

CONTINUING PLANNING PROCESS FOR WATER QUALITY MANAGEMENT IN MASSACHUSETTS

division of water pollution control

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CONTINUING PLANNING PROCESS

COMMONWEALTH OF MASSACHUSETTS

July 1976

Publication #: 9324-95-125-11-76-CR
Approved by Alfred C. Holland,
State Purchasing Agent

SECTION 1 - SUMMARY

SECTION 2: PUBLIC PARTICIPATION, describes how the local officials, groups, and citizens will be integrated into the planning efforts.

SECTION 3: INTERGOVERNMENTAL CONTRIBUTIONS TO STATE PLANNING, describes how the knowledge and viewpoints of local governments and other State and Federal agencies will be incorporated into the planning effort for State planning areas.

SECTION 4: PLANNING COORDINATION, describes how the plans and/or planning of other programs and water quality planning will be coordinated.

SECTION 5: PREPARATION, ADOPTION, REVISION OF WATER QUALITY MANAGEMENT PLANS, describes how water quality management plans will be prepared, adopted, and revised for State planning areas and how the State will review and certify plans prepared by the Regional Planning Agencies.

SECTION 6: REGULATORY PROGRAMS, identifies existing regulatory programs and describes how new programs will be created as their need is identified.

SECTION 7: WATER QUALITY STANDARDS AND ANTI-DEGRADATION, describes the schedule and procedure for reviewing and revising the Massachusetts Water Quality Standards, anti-degradation policy, and stream classifications.

SECTION 8: STATE STRATEGY, describes how the general approach and priorities for water pollution control will be revised each year to account for the passage of time and to correct for changing conditions.

SECTION 9: MASSACHUSETTS WATER QUALITY PLANNING AREAS, identifies the planning areas in the State, the agency preparing the plan for each area, and the basis on which the areas were defined.

SECTION 10: SEGMENT CLASSIFICATION, lists the classified stream segments and tentative 1983 Federal classification, the procedures to validate the classifications and to determine the land areas associated with each segment.

SECTION 11: LEVEL OF DETAIL AND SCHEDULE OF PLANNING, describes the work needed to prepare the water quality management plan for each State planning area, the work to be undertaken, and the level of detail which can be scheduled at this time.

SECTION 12: STATE PLANNING AGENCY, identifies the agency responsible for planning, Department of Environmental Quality Engineering (DEQE), and describes the agency.

SECTION 13: STATE PROGRAM TO MANAGE PLANNING IN DESIGNATED REGIONAL PLANNING AREAS, describes how the State will oversee the studies being conducted by the designated Regional Planning Agencies.

SECTION 14: DELEGATION OF PLANNING, describes agencies which will be delegated responsibility for preparing portions of the water quality management plan.

SECTION 15: POLICY ADVISORY COMMITTEE, identifies proposed committees for each State planning area.

SECTION 2 - PUBLIC PARTICIPATION

The purpose of the public participation process will be to keep the public informed, solicit input in the formulation and conduct of the planning process from the public, involve the public in decisions throughout the planning process, and to elicit the assistance of the public in implementation of adopted plans.

In order to achieve the above, the state will take essentially two courses of action depending on the type of area involved:

1. In the areas that have been designated by the Governor, the public participation responsibility has been delegated to the area-wide planning agency and will be conducted in accordance with the approved Project Control Plan.

2. In the non-designated areas of the state the following steps will be taken:

    a. Policy Advisory Committees (PAC) will be created in each area (proposed committee membership is described in Section 15);

    b. Citizens Advisory Committees (CAC) will be created in each area. A representative(s) of the CAC will be included on the Policy Advisory Committee;

    c. Working with the Department of Environmental Quality Engineering (DEQE) and within the parameters of the "level of detail agreement", the two groups will assist in the definition of issues of area concern and the development of a detailed work program to address these issues. The work program will include all proposed planning delegations;

    d. Utilizing the work program, the two groups will develop, for DEQE approval, a public participation process which will ensure that appropriate input from various individuals and groups is made in a timely manner. Elements of this public participation process will include identification of individuals and groups to be contacted and involved, methods for reaching them, and tentative schedules and agendas for meetings and for workshops. The first event in this schedule will be a public review of the work program and public participation process that has been developed, followed by appropriate modification;

    e. Prior to adoption by DEQE, the work plan and public participation process will be reviewed and commented on by the PAC and CAC;

    f. The PAC and CAC will assist in the execution of both planning and public participation processes;

g. The continuance of the PAC and CAC after the initial two-year planning process will be sought to aid in the implementation of the adopted plan.

Finally, although the public participation process may be conducted by a variety of agencies and/or groups, it is DEQE which is ultimately responsible for ensuring that an adequate and effective process takes place. Therefore, periodic evaluations of the adequacy and effectiveness of the public participation processes in all areas will be undertaken by DEQE.

SECTION 3 - INTERGOVERNMENTAL CONTRIBUTIONS TO STATE PLANNING

Intergovernmental involvement in the planning process will be accomplished in a variety of ways. The following is a summary by governmental level:

1. Local - Local involvement will be accomplished through membership on Area-wide Advisory Committees or Policy Advisory Committees depending on which type (designated or non-designated) of area is involved and through contacts by designated area-wide agencies or DEQE or agencies delegated by DEQE with local officials and commissions from individual towns and in groups of towns as appropriate and through utilization of locally generated data (e.g., growth policy statements, sewer plans, zoning controls, etc.) in developing program outputs.

2. Regional - Regional planning agencies will be involved through designation or delegation in many areas, through representation on policy advisory committees in all areas, through utilization of regionally generated data and advice in all areas, and through review of and comment on plan outputs and applications for funding. In addition, the input of other regional entities such as the county-oriented Conservation Districts will be solicited.

3. State - In addition to DEQE and DWPC many other state agencies have been and will continue to be involved in the Continuing Planning Process (please see Section 4). This will be accomplished through participation by key agencies in area-wide and policy advisory groups, by review and comment on outputs as appropriate, and through provision of data, technical assistance, etc., to the process. Also, the Massachusetts Historical Commission has indicated their interest and intent to assist DEQE in the planning process. Delegation of certain planning responsibilities to various state agencies in the non-designated areas will be investigated.

4. Interstate - Interstate involvement will be by direct contact with appropriate agencies in contiguous states and through utilization of the services of the New England Interstate Water Pollution Control Commission. The review and comment of these entities on pertinent planning outputs will be sought. In addition, informal contact is pursued with other states for the purpose of data and/or methodology exchange.

5. Federal - Primary contact at the federal level is of course with the EPA. However, input from other Federal Agencies has been and will be sought on area-wide and policy advisory groups. Several Federal agencies have already offered data and technical assistance to the planning process, thus, the possibility of planning delegations to Federal agencies will also be investigated. Moreover, other Federal umbrella and/or coordinating groups (such as NERBC and FRC) will be asked for whatever assistance they can provide. Finally, we will seek to obtain from each applicable Federal Agency the designation of a contact person who will serve as a reference point for the services or information available within that agency.

SECTION 4 - PLANNING COORDINATION

Co-ordination between planning programs will be accomplished in the following ways:

1. Participation in area-wide or policy advisory committees: Key Federal, State, and Regional Agencies will be involved in these committees in order to ensure that proper direction is given to the planning process and that a minimum of overlap and conflict between programs develops.

2. Review and comment on plan outputs: Plan outputs from both designated and non-designated areas will be selected for review and comment by all involved agencies. The state agencies involved in this process, in addition to DEQE and its Division of Water Pollution Control, include all other pertinent agencies within EOEA plus the Department of Community Affairs, Department of Public Works, Executive Office of Economic Affairs, the Office of State Planning, and the Massachusetts Historical Commission.

3. Issue identification and resolution: DEQE will through the review and comment process described above and utilizing the documented comments of the involved state agencies identify issues/conflicts and will seek to resolve these in order to provide useable input to the planning process. In addition, as issues/conflicts develop on an intergovernmental basis, DEQE will be the key state agency in discussions and negotiations to resolve these. It is expected that regional planning agencies and EPA will perform similar functions at their respective governmental levels. Irresolvable conflicts will be decided by DEQE.

4. Co-ordination with other water quality programs: The Division of Water Pollution Control will be responsible for coordination of the plans developed in this process with the programs operated by that agency.

5. Utilization of common data bases and methodologies: The Office of State Planning has been given the responsibility of ensuring the eventual use by all planning programs of common data bases and methodologies. This planning process will work towards the achievement of that goal.

SECTION 5 - PREPARATION, ADOPTION, REVISION, AND CERTIFICATION OF WATER QUALITY MANAGEMENT PLANS

The plans prepared under this process will be a revision to and expansion of the basin plans prepared by the Department of Water Pollution Control during the period 1974 to 1976. The additional data and studies incorporated in this process are intended to address the 1983 water quality goals of the Federal Clean Waters Act and Phase II planning requirements of EPA.

The plans will be developed in either one of two ways: designation or delegation of the responsibility for plan preparation; or, state preparation. In either case, once the draft plan has been prepared, the process from that point on is the same. Specifically, the process consists of the following:

1. Draft plans are submitted to the chief elected officials of each city and town in the planning area. A period of 30 days will be allowed for municipal review, comment, and recommendations.

2. Area-wide agencies' adoption procedures will be applied, where appropriate.

3. Local reviews, comments, and recommendations, along with area-wide agency adoption recommendations, where appropriate, will be submitted to the Department of Environmental Quality Engineering for review and recommendation.

4. DEQE with the assistance of the Office of State Planning will prepare the material and recommendations for presentation to the Governor's Cabinet.

5. The Cabinet will review the plans and make recommendations to the Governor who will certify the plans, or, if necessary, return the plans to the preparing agency indicating revisions necessary to receive full certification and the time allocated for submission of such revisions.

SCHEDULE FOR PREPARATION AND ADOPTION OF
PHASE 11 WATER QUALITY MANAGEMENT PLANS

PLANNING AREA	1976 JAN-JUNE	1976 JULY-SEPT	1976 OCT-DEC	1977 JAN-MAR	1977 APR-JUNE	1977 JULY-SEPT	1977 OCT-DEC	1978 JAN-MAR	1978 APR-JUNE	1978 JULY-OCT
Hoosic River	5	1	3,9	6		2	4,7	8,9	10,11	
BCRPC	5		9	6		11				
Deerfield River	5	1	3,9	6		2	4,7	8,9	10,11	
Westfield River	5	1	3,9	6		2	4	7	8,9	10,11
Farmington River	5		3,9	6			4,7	8,9	10,11	
Connecticut River	5	1	3,9	6		2	4	2	7,8	9,10,11
Millers River	5	1	3,9	6		2	4,7	8,9	10,11	
Chicopee River	5	1	3,9	6		2	4,7	8,9	10,11	
CMRPC	5		9	6				9,10	11	
Montachusett RPC	5		9	6		9,10	11			
Pepperell-Dunstable	5		9	6	7	8,9	10,11			
NMAC	5		9	6			9,10	11		
MVPC	5		9	6						
Parker-Cape Ann	5	1	3,9	6		2	4	7	8,9	10,11
MAPC	5	1	9	6				9,10	11	
OCPC	5		9	6			9,10	11		
SRPEDD	5		9	6			9,10	11		
CCPEDC	5		9	6			9,10	11		
MVLWC	5		9	6		9,10	11			
Nantucket	5	1	9	6		2	7	8,9	10,11	

LEGEND:

1. Begin local planning studies*
2. Local planning studies completed*
3. Begin state planning studies*
4. State studies completed*
5. Begin Water Quality Standards review
6. Water Quality Standards completed
7. Prepare draft water quality management plan
8. City/town review, EPA review
9. Public hearing
10. Review and recommendation by DEQE, preparation for presentation to the cabinet, and cabinet review
11. Governor's submission to EPA

*Details appear in Section 11.

SECTION 6 - REGULATORY PROGRAMS

There are a number of existing state programs, all within DEQE, that directly affect water quality. Among these are the various permit and water quality certification programs operated by the Division of Water Pollution Control (including the joint EPA/State NPDES program) Division of Water Supply programs relating to the regulation or prevention of pollution of water supplies, control of subsurface discharges, and disposal of solid wastes by the Division of General Environmental Control, use of chemicals to control aquatic weeds, and control of alteration of wetlands.

In addition, there are other state, regional and local programs in operation whose effect on water quality is less well understood. Therefore, in addition to providing the necessary data for issuing the new round of NPDES permits required by the change to "best available treatment", the plans developed under this process must examine the adequacy and effectiveness of existing regulatory programs and propose new programs where they are deemed necessary for the attainment of water quality goals. Such programs will include not only those specifically related to water quality but also programs such as those dealing with growth and development and land-use planning. As the new plans are being developed, the state will be addressing the need for regulatory programs in the following fashion:

1. In cooperation with EPA, to establish a task force consisting of State, regional, and Federal representation, among whose functions will be to maintain a current awareness of accomplished and/or proposed changes to legal and institutional elements, to identify additional needs, and to discuss the implications of these for this planning process.

2. As amendments to existing programs or new programs are proposed the State agencies involved in the review process (please see Section 4) will review and comment on these, in order to assure efficiency, avoid overlap, and maintain conformance with revised water quality maintenance plans.

3. Amendments to existing programs or new programs that are included in the final plans certified by the Governor will be pursued by the State for the purpose of implementation in whatever manner is appropriate.

SECTION 7 - WATER QUALITY STANDARDS/ANTI-DEGRADATION

The waters of the Commonwealth are being reclassified in conjunction with Phase I of the basin planning process being conducted by the Division of Water Pollution Control.

The basin plans (with the possible exception of the Boston Region which awaits the completion of the EMMA study) will be completed by July, 1976. Following the completion of public hearings and review by DEQE (DWPC), the reclassifications will be filed with the Secretary of State in July, 1976.

New EPA guidelines will require review and revisions to criteria in the water quality stabdards. The schedule for review and revision of the standards will be as follows:

1. DWPC personnel will review the current standards vis-a-vis the new proposed classifications to determine the need for revisions during the spring of 1976.

2. Proposed revisions will be developed by DWPC and reviewed by DEQE by August 30, 1976.

3. Proposed revisions will be mailed to all involved agencies, concerned groups, and individuals by September 15 1976,for comments.

4. Recommendations to the Water Resources Commission will be made by September, 1976, by DWPC.

5. Public hearing will be held in October, 1976.

6. Submit to EPA for pre-adoption review - November, 1976.

7. Submission for approval to the Water Resources Commission, December, 1976.

8. Adoption by DEQE/DWPC will be made by January, 1977.

9. Revised standards will be filed with the Secretary of State in January, 1977.

10. The revised standards will be applied in each planning area during the planning process.

SECTION 8 - STATE STRATEGY

General:

In order to meet EPA requirements that the overall State strategy for water quality management be reviewed, revised, (as appropriate), and submitted annually as part of the Annual Program Plan, the State has utilized the following administrative sequence.

The process begins in the fall with the formulation of budget requests which are filed with the legislature in January. When adopted by the legislature, the budget fixes the staff and financial resources that can be applied to water quality management. Annual appropriations are discussed in the spring and become final when the budget is adopted, usually prior to June 30th.

A second major element affecting the State strategy is a review of the accomplishments of the preceding year. In general, this can be equated with the preparation of an annual report as specified in Section 305b of PL 92-500. In past years, DEQE has not formalized such a coordinated report for publication but this will be accomplished henceforth during the spring of each year.

The third major element that affects the State strategy is the annual guidance issued by EPA in association with the instructions for Annual Program Plan Grant Applications. This guidance is usually received in February or March.

Based on the above major factors and numerous other inputs the strategy of the prior year is evaluated and adjustments are made accordingly to resource allocations, ordering of priorities, and/or responding to EPA guidance. The modified strategy thus produced is prepared for inclusion in the Annual Program Plan.

As part of the Annual Program Plan, the revised State strategy is reviewed and commented on through the public participation process and State and regional A-95 processes. This occurs in what is currently the 4th quarter of the Federal fiscal year.

Utilizing the input from the above review processes the State strategy is finalized and is submitted via the Annual Program Grant Application.

Revisions to Current State Strategy:

This year in addition to the above procedures and inputs, there are in various stages of operation, nine area-wide planning processes. Each of these is required to produce interim outputs which, when submitted, reviewed, and accepted, by EPA and the State, will be utilized in formulating the State strategy. Next year the entire State will be covered by similar processes and similar inputs will occur.

Finally, when the final 208 plans are submitted, are certified by the State and approved by EPA, these plans will become the basis for the State strategy and EPA's acceptance of this strategy.

SECTION 9 - AREA-WIDE PLANNING AREAS

The Commonwealth of Massachusetts, utilizing criteria defined in P 292-500 and EPA guidance as the basis, developed detailed criteria for determining eligible 208 areas and agencies in this State. Through application of area criteria, 11 areas were determined to be eligible for 208 programs. Through application of agency criteria, it was determined that the regional planning agencies were eligible agencies. Following public hearings in each area, agencies were instructed to obtain signed resolutions of intent from the communities in their area.

This process has resulted in the designation of ten of the eleven eligible areas and the funding to date of nine of these. The following is a list of designated agencies:

Berkshire County Regional Planning Commission: Designated on December 23, 1974. Grant approval received in June, 1975, in the amount of $374,000.

Cape Cod Planning and Economic Development Commission: Designated on December 23, 1974. Grant approval received in June, 1975, in the amount of $350,000.

Central Massachusetts Regional Planning Commission: Designated on February 24, 1975. Grant approval received in June, 1975, in the amount of $1,035,000.

Martha's Vineyard Land and Water Commission: Designated on December 23, 1974. Grant approval received in June, 1975, in the amount of $216,000.

Metropolitan Area Planning Council: Designated on February 24, 1975. Grant approval received in June, 1975, in the amount of $2,292,000.

Montachusett Regional Planning Commission: Designated on February 24, 1975. Grant approval received in June, 1975, in the amount of $376,950.

Northern Middlesex Area Commission: Designated on December 23, 1974. Grant approval received in June, 1975, in the amount of $456,840.

Old Colony Planning Council: Designated on December 23, 1974. Grant approval received June, 1975, in the amount of $650,000.

Southeastern Regional Planning and Economic Development District: Designated on December 23, 1974. Grant approval received June, 1975, in the amount of $1,132,000.

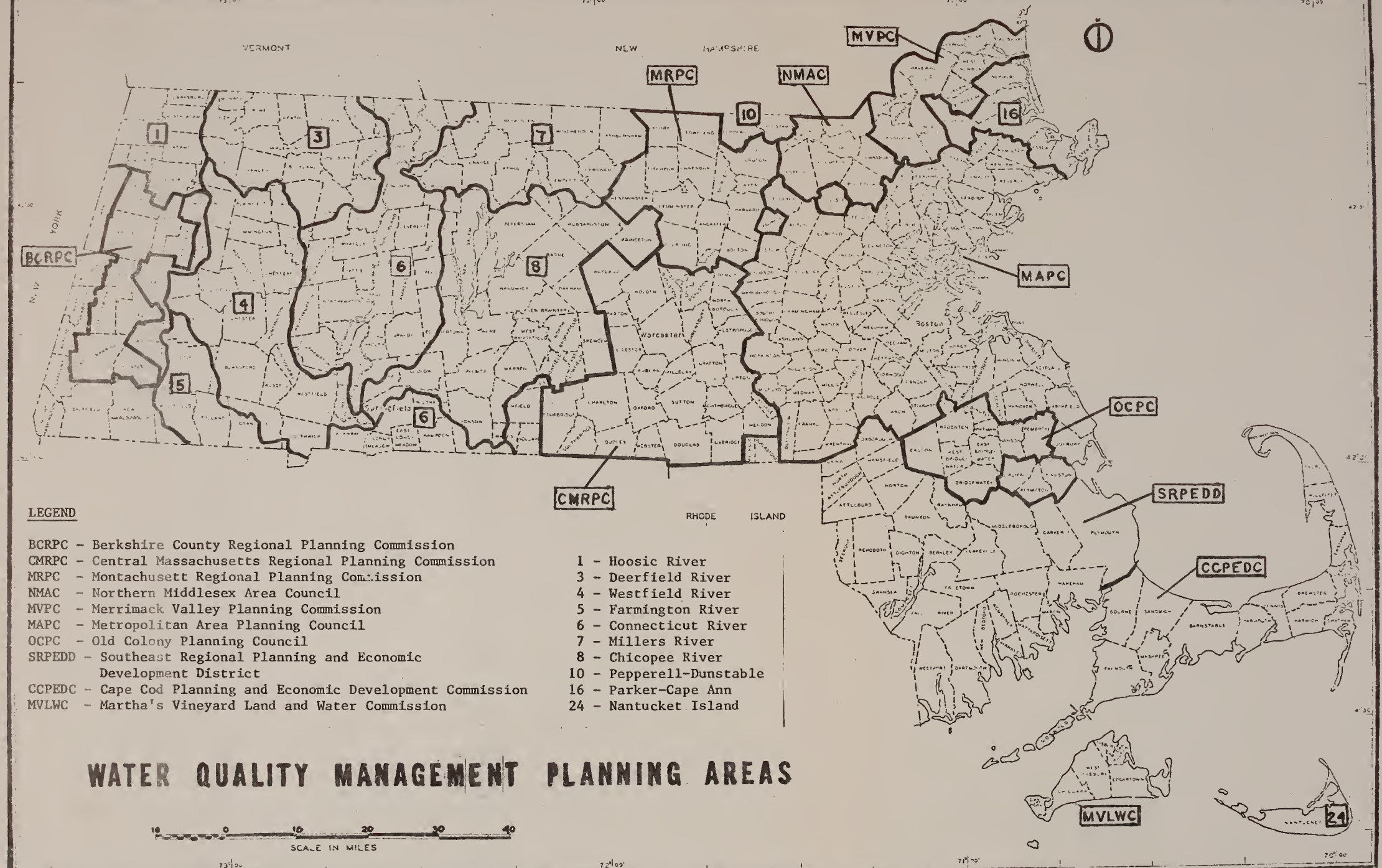
Merrimack Valley Planning Commission: Designated June 6, 1975. Grant approval pending.

The State will be responsible for the conduct of 208 area-wide water quality management planning in the following areas of the State.

However, as mentioned previously, the State intends to discuss potential delegations of portions of the planning requirements with regional, state and federal agencies, and, of course, with the local officials in the area as required by EPA regulations:

1. Hoosic River Basin
2. Deerfield River Basin
3. Westfield River Basin
4. Farmington River Basin
5. Connecticut River Basin
6. Millers River Basin
7. Chicopee River Basin
8. Pepperell - Dunstable Area
9. Parker River - Cape Ann Area
10. Nantucket Island Area.

The accompanying map, entitled, "Water Quality Management Planning Areas", shows the designated areas as well as the non-designated state planning areas.



LEGEND

BCRPC - Berkshire County Regional Planning Commission
CMRPC - Central Massachusetts Regional Planning Commission
MRPC - Montachusett Regional Planning Commission
NMAC - Northern Middlesex Area Council
MVPC - Merrimack Valley Planning Commission
MAPC - Metropolitan Area Planning Council
OCPC - Old Colony Planning Council
SRPEDD - Southeast Regional Planning and Economic Development District
CCPEDC - Cape Cod Planning and Economic Development Commission
MVLWC - Martha's Vineyard Land and Water Commission

1 - Hoosic River
3 - Deerfield River
4 - Westfield River
5 - Farmington River
6 - Connecticut River
7 - Millers River
8 - Chicopee River
10 - Pepperell-Dunstable
16 - Parker-Cape Ann
24 - Nantucket Island

WATER QUALITY MANAGEMENT PLANNING AREAS

SECTION 10 - SEGMENT CLASSIFICATIONS

The following tables list the segmentation of all river basins and coastal zones in Massachusetts. The major basins are arranged alphabetically with subbasins included as part of the major basins. The segment classifications for Phase I and Phase II basin planning are included using the following abbreviations:

AD - Anti-degradation
EF - Effluent limited
WQ - Water quality limited.

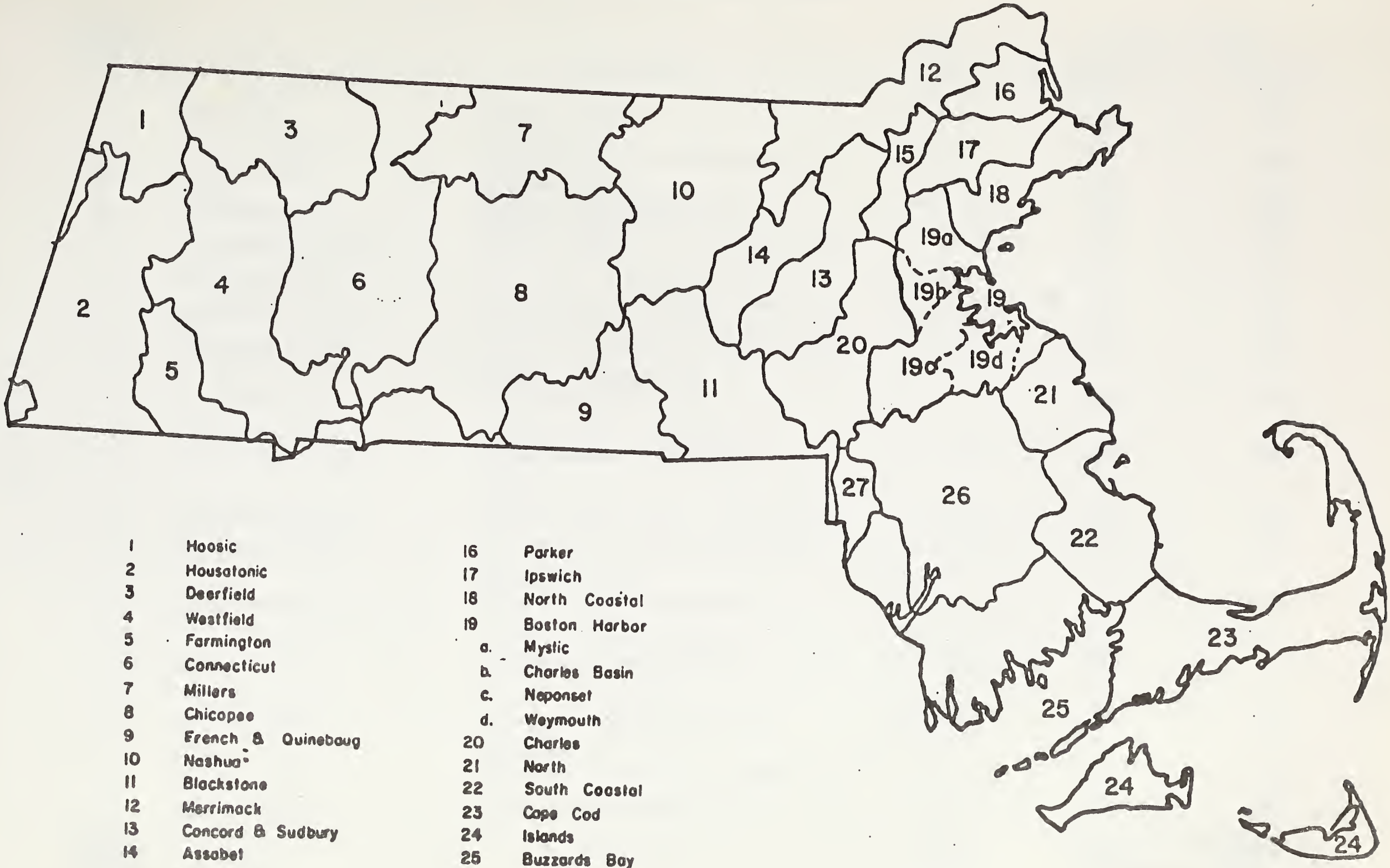
"Anti-degradation" segments are defined by the Massachusetts Water Quality Standards. The standards prohibit new discharges upstream of the most upstream existing discharge. "Effluent limited" segments are those in which receiving water classifications will be met through the application of best practicable (essentially secondary) treatment to all waste discharges. "Water quality limited" segments are those where higher degrees of treatment or additional controls will be required. Additional controls could include solutions to combined sewer, stormwater, or non-point source problems.

Phase I classifications refer to existing water quality classifications while Phase II classifications refer to the 1983 goal of "swimmable/fishable" waters. Differences in Phase I and II classifications occur primarily in segments currently classified C which must be upgraded to B to meet the 1983 goal.

The map on the following page shows the location of all drainage basins in the Commonwealth. Tables and maps presenting the segmentation for each basin follow. All waters which are not specifically segmented in these tables are classified AD - "anti-degradation".

COMMONWEALTH of MASSACHUSETTS

DRAINAGE BASINS



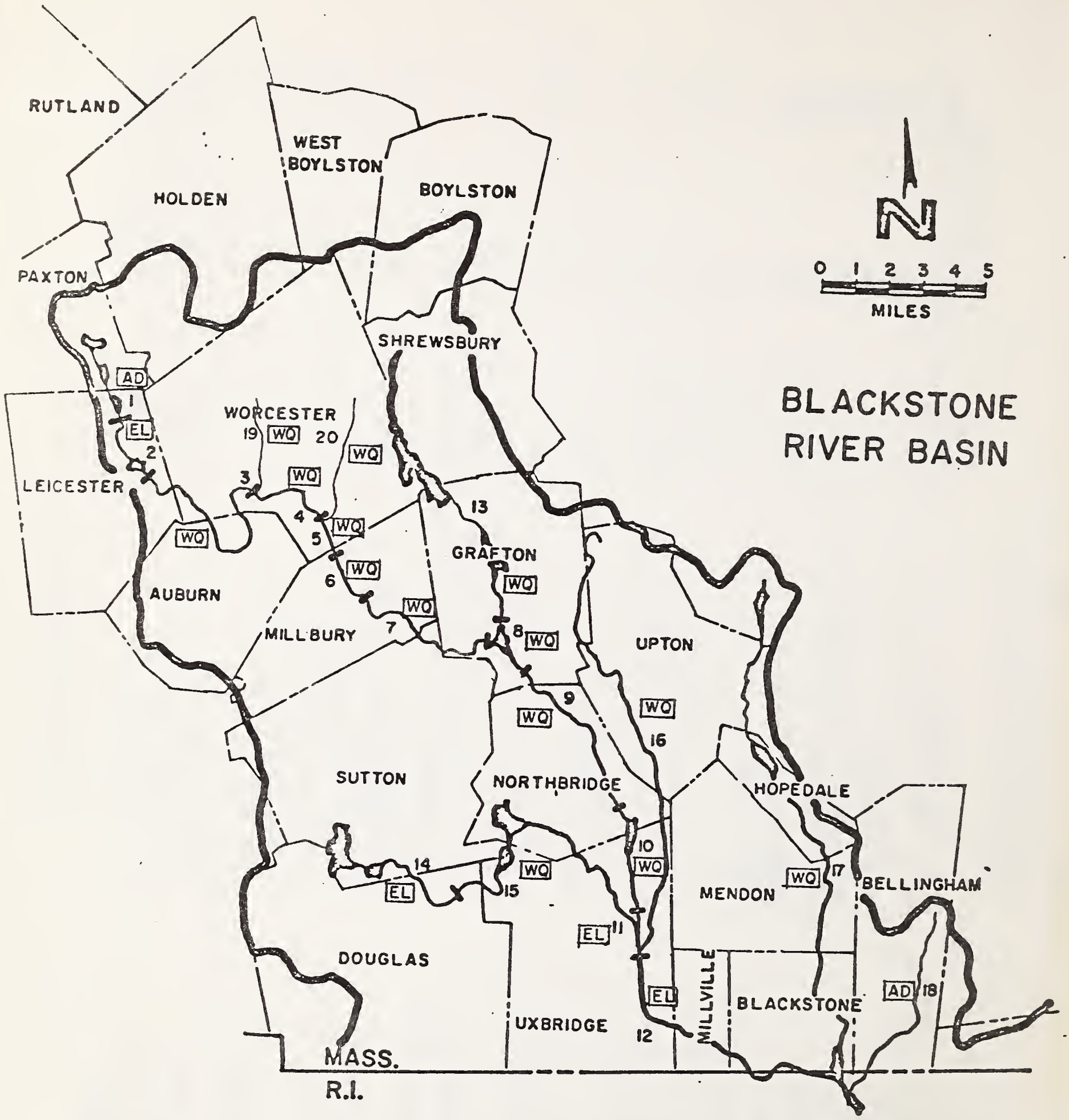
1	Hoosic
2	Housatonic
3	Deerfield
4	Westfield
5	Farmington
6	Connecticut
7	Millers
8	Chicopee
9	French & Quinebaug
10	Nashua
11	Blackstone
12	Merrimack
13	Concord & Sudbury
14	Assabet
15	Shawsheen
16	Parker
17	Ipswich
18	North Coastal
19	Boston Harbor
a.	Mystic
b.	Charles Basin
c.	Neponset
d.	Weymouth
20	Charles
21	North
22	South Coastal
23	Cape Cod
24	Islands
25	Buzzards Bay
26	Taunton
27	Ten Mile

BLACKSTONE RIVER BASIN (11)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Kettle Brook	Kettle Brook Reservoirs	Above 61.0	AD	AD
2	Kettle Brook	From last reservoir to Waite Pond outlet	61.0-59.3	AD	AD
3	Kettle Brook	From Waite Pond outlet to Curtis Pond outlet	59.3-51.3	WQ	WQ
4	Middle River	From Curtis Pond outlet to American Steel Dam	51.3-48.8	WQ	WQ
5	Blackstone River	From American Steel Dam to Worcester STP	48.8-46.6	WQ	WQ
6	Blackstone River	From Worcester STP to Millbury STP	46.6-42.8	WQ	WQ
7	Blackstone River	From Millbury STP to Fisherville Pond	42.8-40.0	WQ	WQ
8	Blackstone River	From Fisherville Pond to Grafton STP	40.0-38.8	WQ	WQ
9	Blackstone River	From Grafton STP to Northbridge STP	38.8-32.4	WQ	WQ
10	Blackstone River	Northbridge STP to Mumford River	32.4-29.5	WQ	WQ
11	Blackstone River	Mumford River to West River	29.5-28.7	EF	WQ
12	Blackstone River	West River to state line	28.7-20.0	EF	WQ
13	Quinsigamond River	Entire length	5.3-0.0	WQ	WQ
14	Mumford River	Above East Douglas	above 9.0	EF	EF
15	Mumford River	East Douglas to Blackstone River	9.0-0.0	WQ	WQ
16	West River	Entire length	16.0-0.0	WQ	WQ

BLACKSTONE RIVER (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
17	Mill River	Entire length	--	WQ	WQ
18	Peters River	Entire length	--	AD	AD
19	Beaver Brook	Entire length	--	WQ	WQ
20	Mill Brook	Entire length (including Weasel Brook)	--	WQ	WQ



SEGMENT CLASSIFICATION MAP

BOSTON HARBOR (19)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
26	Boston Harbor (inner)	--	--	EF	EF
27	Boston Harbor (Dorchester Bay)	--	--	EF	EF
28	Boston Harbor (Quincy Bay)	--	--	EF	EF
29	Weymouth Fore River (19d)	--	--	EF	EF
30	Weymouth Back River (19d)	--	--	EF	EF
31	Hingham Harbor	--	--	EF	EF
32	Hull Bay	--	--	EF	EF
33	Weir River	--	--	EF	EF
34	Cohasset Harbor	--	--	EF	EF
35	The Gulf	--	--	EF	EF
36	Scituate Harbor	--	--	EF	EF
37	Charles Basin (19b)	Watertown Dam to Museum of Science Dam	9.8-1.2	EF	EF
38	Charles Basin -	Museum of Science Dam to Warren Avenue Dam	1.2-0.7	EF	EF
1	Mystic River (19a)	To inlet, Mishawum Lake	18.4-15.1	AD	AD
2	Mystic River	Inlet to outlet, Mishawum Lake	15.1-14.8	WQ	WQ
3	Mystic River	Outlet, Mishawum Lake to inlet, Burbank Pond	14.8-13.5	WQ	WQ
4	Mystic River	Inlet to outlet, Burbank Pond	13.5-13.3	WQ	WQ
5	Mystic River	Outlet, Burbank Pond to Sweetwater Brook	13.3-12.0	WQ	WQ
6	Mystic River	Sweetwater Brook to inlet, Pond 4	12.0-11.6	WQ	WQ
7	Mystic River	Pond 4 to Horn Pond Brook	11.6-10.3	WQ	WQ
8	Mystic River	Horn Pond Brook to inlet, Mystic Lake	10.3-9.2	WQ	WQ

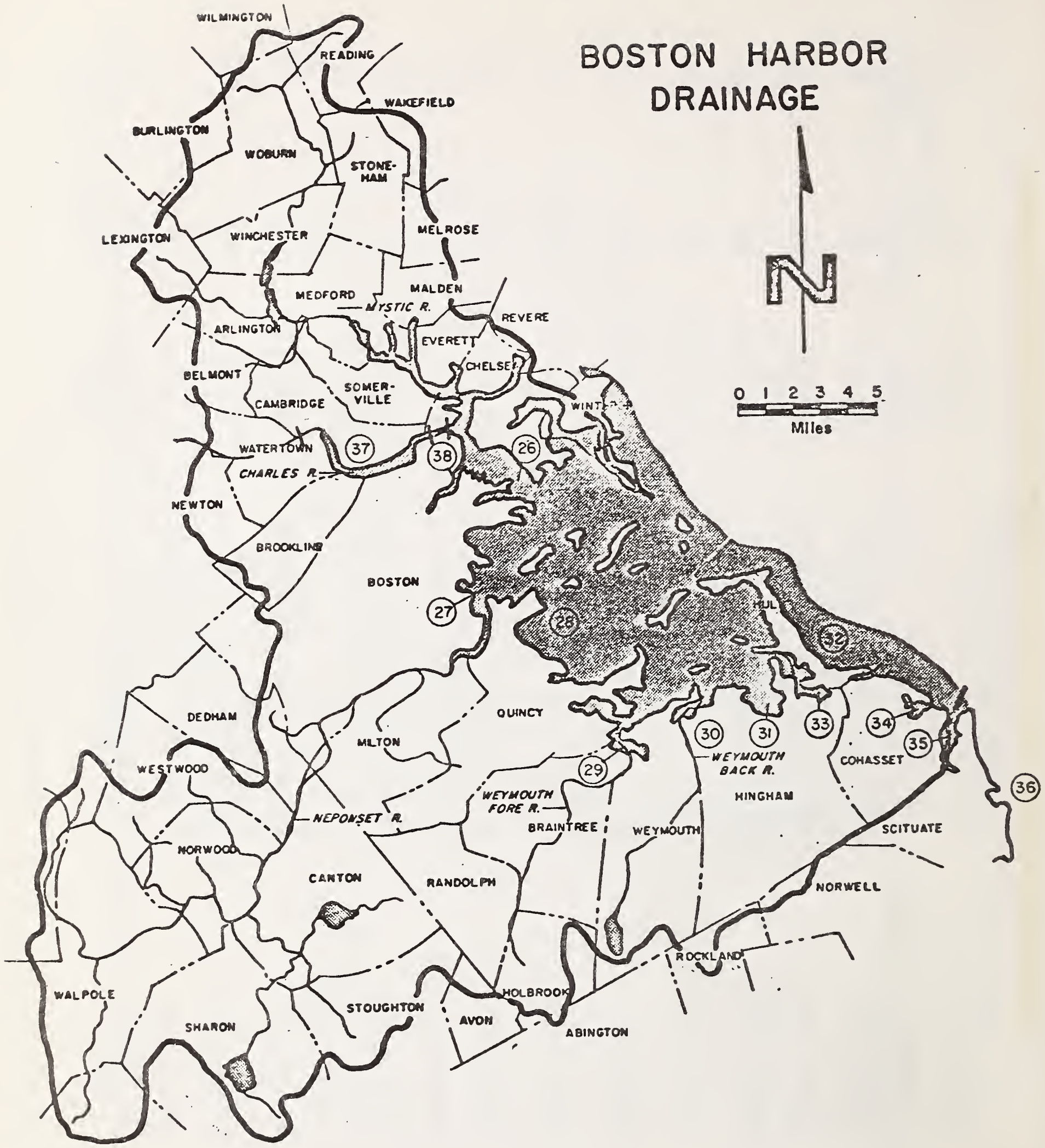
BOSTON HARBOR (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
9	Mystic River	Inlet to outlet, Upper Mystic Lake	9.2-8.1	WQ	WQ
10	Mystic River	Outlet, Upper Mystic Lake to outlet, Lower Mystic Lake	8.1-7.4	WQ	WQ
11	Mystic River	Outlet, Lower Mystic Lake to Alewife Brook	7.4-6.5	WQ	WQ
12	Mystic River	Alewife Brook to Earhart Dam	6.5-2.0	WQ	WQ
1	Alewife Brook	Entire length	--	WQ	WQ
0	Neponset River (19c)	Above Neponset Reservoir Dam	Above 29.5	AD	AD
1	Neponset River	Neponset Reservoir Dam to outlet, Crackrock Pond Dam	29.5-28.95	EF	EF
2	Neponset River	Crackrock Pond Dam to Summer Street Dam, Walpole	28.95-27.33	WQ	WQ
3	Neponset River	Summer St. Dam to above Bird Machine Co. diversion dam	27.33-27.15	WQ	WQ
4	Neponset River	Above diversion dam to above Kendall Mills South Street plant dam	27.15-24.25	WQ	WQ
5	Neponset River	Above Kendall Mills South Street dam to main plant dam	24.25-23.47	WQ	WQ
6	Neponset River	Kendall Mills main plant dam to outlet, Stetson Pond Dam	23.47-22.62	WQ	WQ
7	Neponset River	Outlet, Stetson Pond Dam to outlet, Bird Pond Dam	22.62-20.75	WQ	WQ
8	Neponset River	Outlet, Bird Pond Dam to USGS, Pleasant Street, Norwood	20.75-19.2	WQ	WQ
9	Neponset River	USGS, Norwood, to confluence with East Branch	19.2-15.8	WQ	WQ
10	Neponset River	Confluence with East Branch to Truman Highway bridge	15.8-8.9	WQ	WQ
11	Neponset River	Truman Highway bridge to confluence with Mother Brook	8.9-7.9	WQ	WQ

BOSTON HARBOR (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
12	Neponset River	Confluence, Mother Brook to Hollingsworth and Vose Dam	7.9-7.0	WQ	WQ
13	Neponset River	Hollingsworth and Vose Dam to Diamond International Dam	7.0-4.53	WQ	WQ
14	Neponset River	Diamond International Dam to Milton Lower Falls Dam	4.53-4.2	WQ	WQ

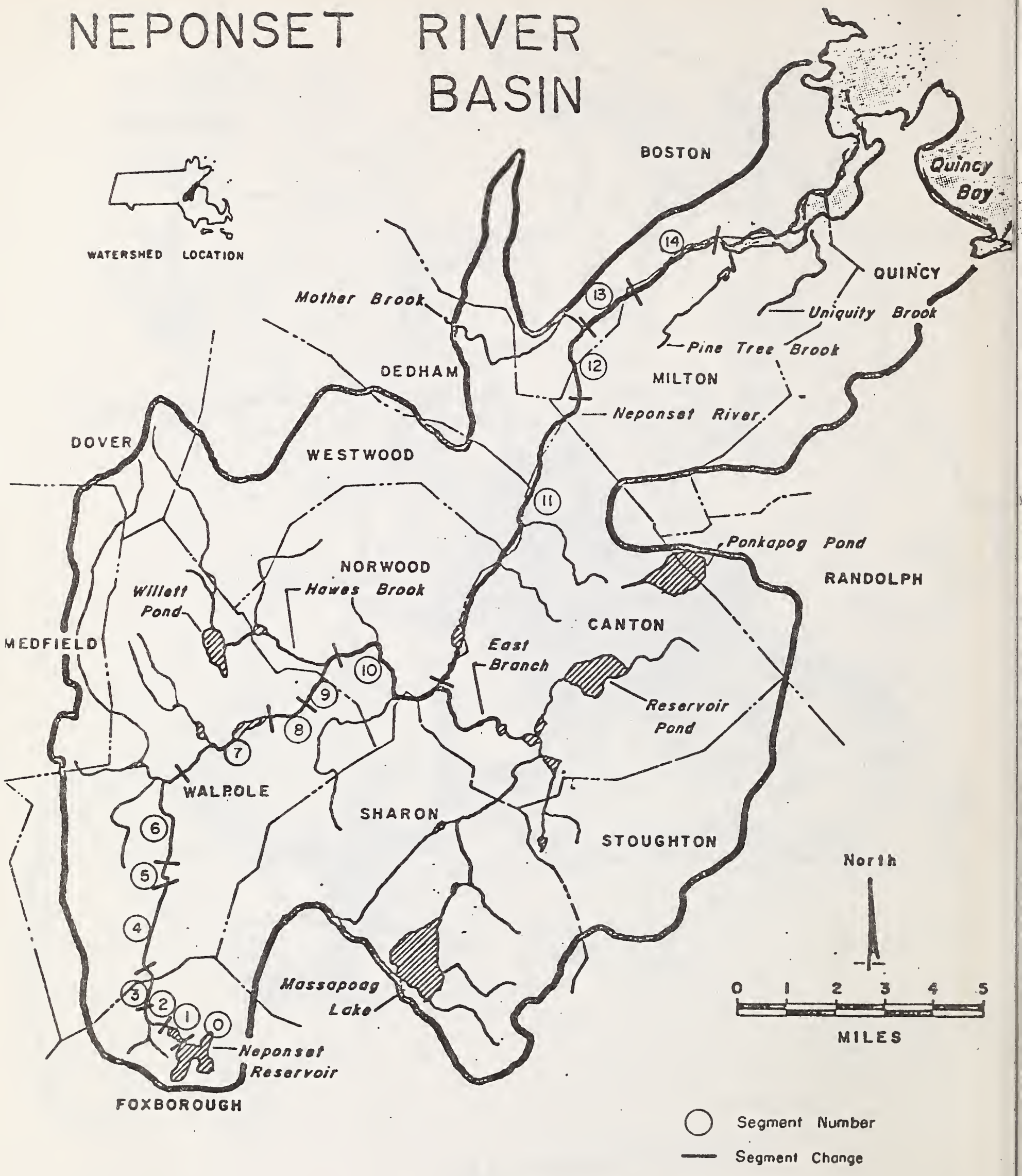
BOSTON HARBOR DRAINAGE



SEGMENTATION MAP

SEGMENTATION MAP

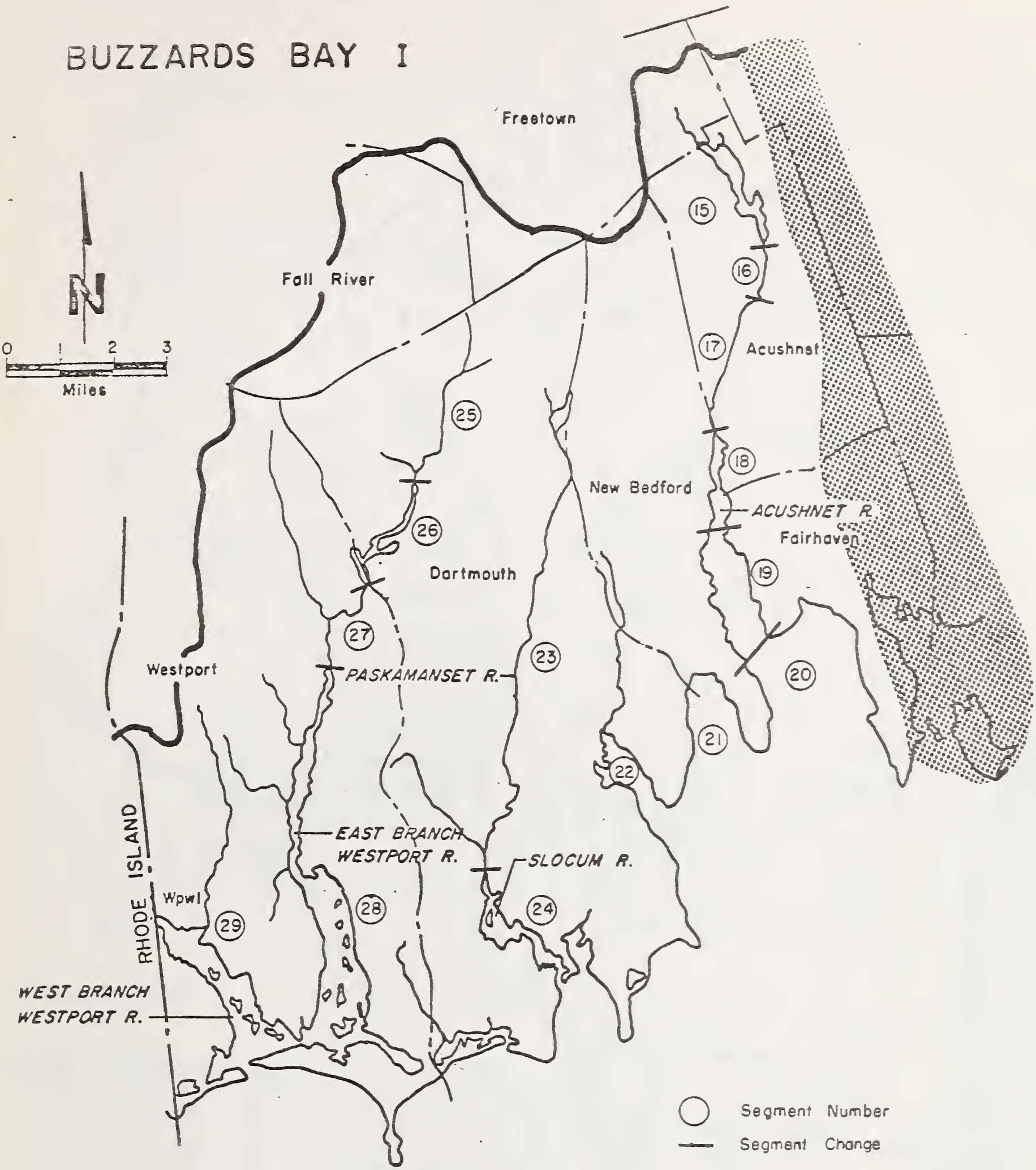
NEPONSET RIVER BASIN



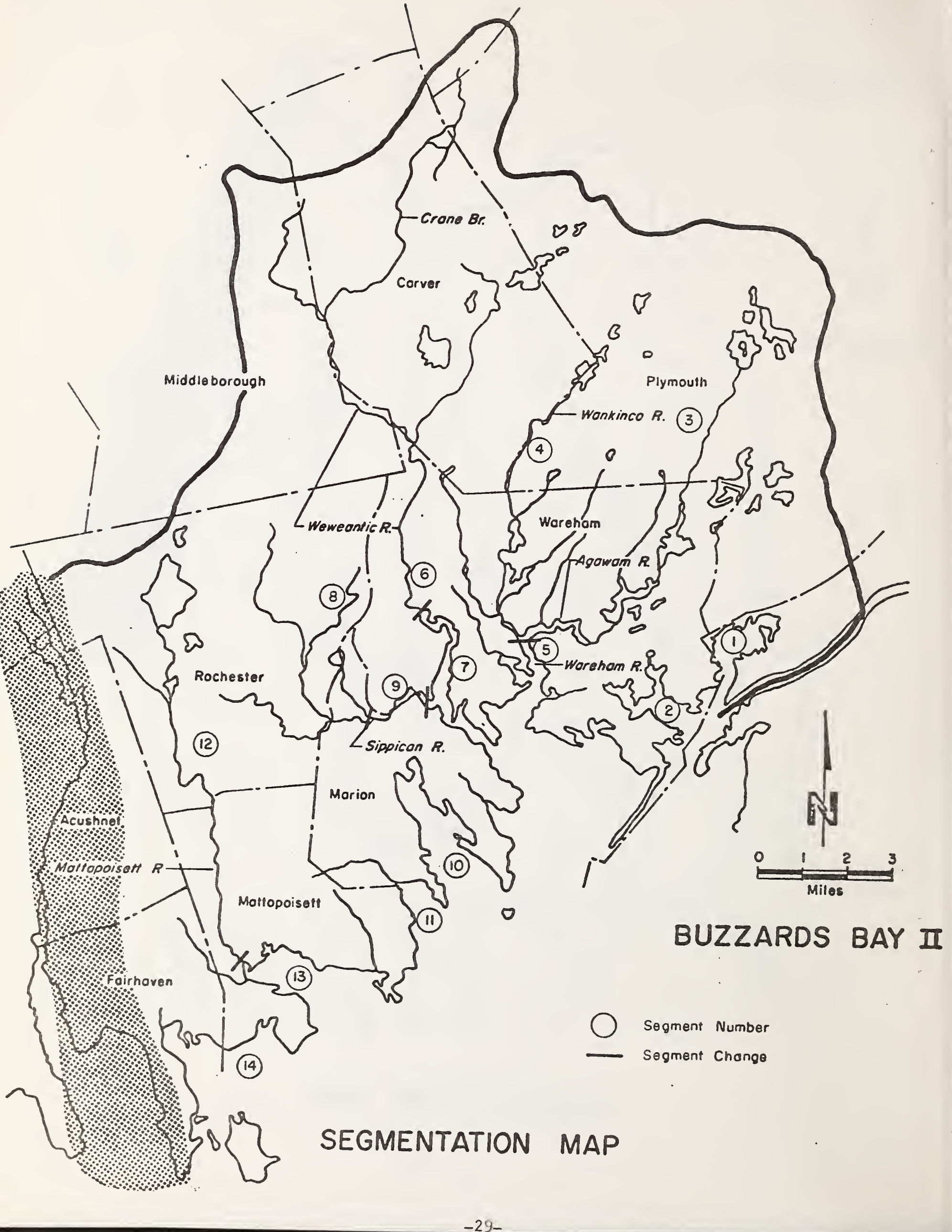
SEGMENTATION MAP

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Buttermilk Bay	--	--	EF	EF
2	Onset Bay, Wareham	--	--	EF	EF
3	Agawam River	Entire length	--	WQ	WQ
4	Wankinco River	Entire length	--	AD	AD
5	Wareham River	Entire length	--	EF	EF
6	Weweantic River	Above outlet of Horseshoe Pond, Wareham	Above 4.4	AD	AD
7	Weweantic River	Outlet, Horseshoe Pond, to the mouth, Wareham-Marion	4.4-0.0	AD	AD
8	Sippican River	Above County Road, Marion-Wareham	Above 2.1	AD	AD
9	Sippican River	From County Road, Marion-Wareham, to mouth, Marion-Wareham	2.1-0.0	AD	AD
10	Sippican Harbor	--	--	EF	EF
11	Aucoot Cove	--	--	EF	EF
12	Mattapoisett River	Entire length	--	AD	AD
13	Mattapoisett Harbor	--	--	EF	EF
14	Nasketucket Bay	--	--	EF	EF
15	New Bedford Reservoir	Acushnet	Above 8.2	AD	AD
16	Acushnet River	From the outlet, New Bedford Reservoir to Hamlin Road, Acushnet-New Bedford	8.2-5.5	AD	AD
17	Acushnet River	From Hamlin Road, Acushnet-New Bedford, to Main Street, Acushnet-New Bedford	5.5-4.5	AD	AD
18	Acushnet River	From Main Street to Route 6, Acushnet-New Bedford-Fairhaven	4.5-1.2	EF	EF
19	Inner New Bedford Harbor		1.2-0.0	EF	EF
20	Outer New Bedford Harbor		--	EF	EF

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
21	Clark Cove	New Bedford-Dartmouth	--	EF	EF
22	Apponagansett Bay	Dartmouth	--	EF	EF
23	Paskamanset River	Dartmouth-New Bedford	13.6-4.0	AD	AD
24	Slocums River	Dartmouth	4.0-0.0	AD	AD
25	Shingle Island River	Dartmouth	Above 14.2	AD	AD
26	Noquochoke Lake	Dartmouth	14.2-12.0	AD	AD
27	Westport River, East Branch	From the outlet of Noquochoke Lake, Dartmouth, to Old County Road, Westport	12.0-10.0	WQ	WQ
28	Westport River, East Branch	From Old County Road, Westport, to the mouth, Westport	10.0-0.0	EF	EF
29	Westport River, West Branch	Entire length	--	AD	AD



SEGMENTATION MAP



BUZZARDS BAY II

SEGMENTATION MAP

CAPE COD (23)

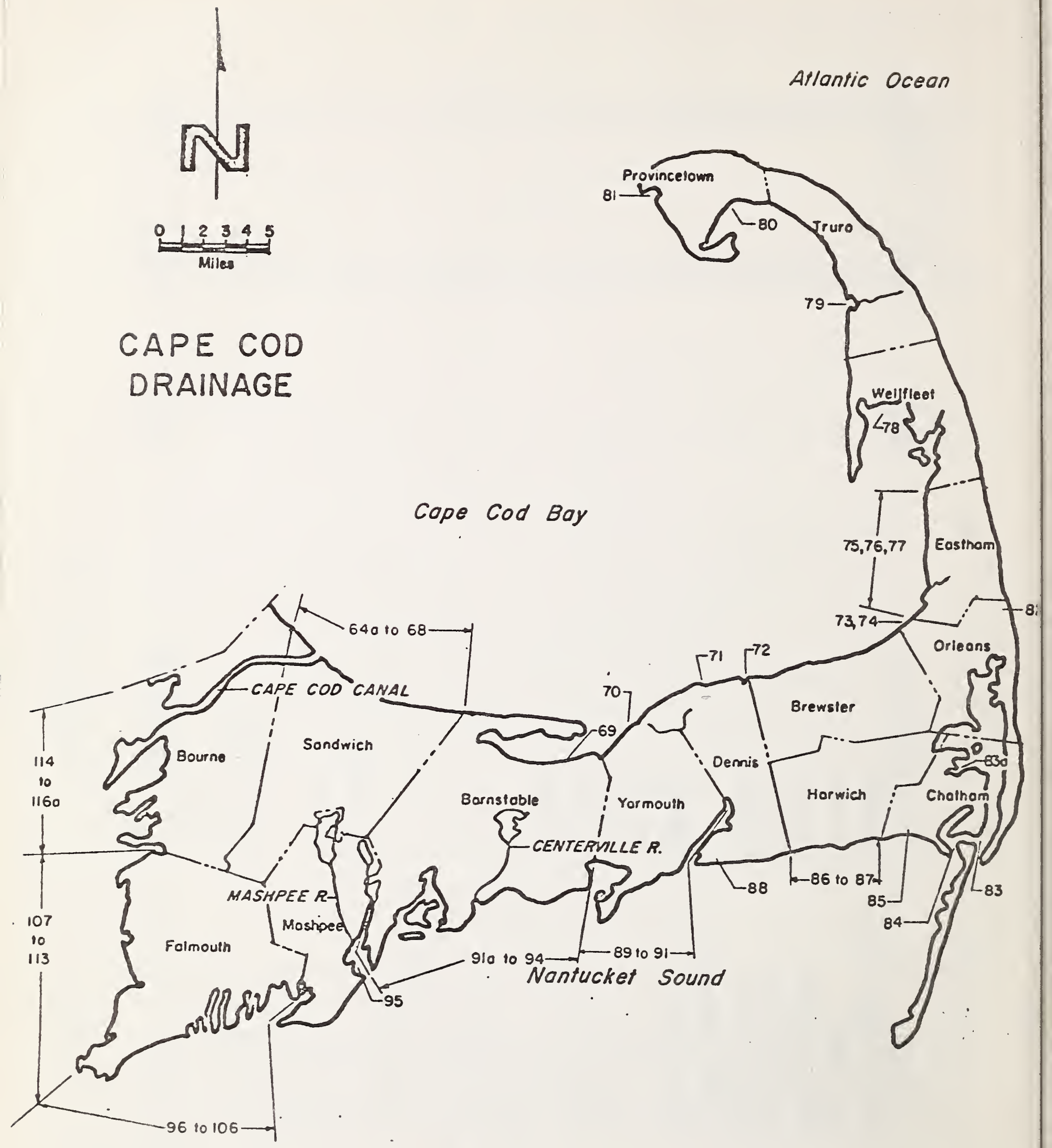
SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
64A	Cape Cod Canal	Sandwich	--	EF	EF
65	Mill Creek	Entire length	--	EF	EF
66	Dock Creek	Entire length	--	EF	EF
67	Old Harbor Creek	Entire length	--	EF	EF
68	Scorton Creek	Entire length	--	EF	EF
69	Barnstable Harbor	--	--	EF	EF
70	Chase Garden Creek	Entire length	--	EF	EF
71	Sesuit Creek	Entire length	--	EF	EF
72	Quivet Creek	Entire length	--	EF	EF
73	Namskaket Creek	Entire length	--	EF	EF
74	Little Namskaket Creek	Entire length	--	EF	EF
75	Rock Harbor Creek	Entire length	--	EF	EF
76	Boat Meadow River	Entire length	--	EF	EF
77	Herring River	Eastham	--	EF	EF
78	Wellfleet Harbor	--	--	EF	EF
79	Pamet River	Entire length	--	EF	EF
80	Provincetown Harbor	--	--	EF	EF
81	Hatches Harbor	--	--	EF	EF
82	Nauset Harbor	--	--	EF	EF
83	Chatham Harbor	--	--	EF	EF
83A	Frostfish Creek	Entire length	--	EF	EF
84	Stage Harbor	--	--	EF	EF
85	Bucks Creek	Entire length	--	EF	EF
86	Red River	Entire length	--	EF	EF
86A	Wychmere Harbor	--	--	EF	EF
86B	Allens Harbor	--	--	EF	EF

CAPE COD (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
87	Herring River	Harwich	--	EF	EF
88	Swam Pond River	Entire length	--	EF	EF
89	Bass River	Entire length	--	EF	EF
90	Parkers River	--	--	EF	EF
91	Lewis Bay	Yarmouth	--	EF	EF
91A	Lewis Bay	Barnstable	--	EF	EF
92	Hyannis Harbor	--	--	EF	EF
93	Centerville HArbor	--	--	EF	EF
94	Cotuit Bay	--	--	EF	EF
95	Popponesset Bay	--	--	EF	EF
96	Waquoit Bay	--	--	EF	EF
97	Eel Pond	Falmouth	--	EF	EF
98	Bournes Pond	Falmouth	--	EF	EF
99	Green Pond	Falmouth	--	EF	EF
100	Great Pond	Falmouth	--	EF	EF
101	Little Pond	Falmouth	--	EF	EF
102	Falmouth Inner Harbor		--	EF	EF
103	Salt Pond	Falmouth	--	EF	EF
104	Oyster Pond	Falmouth	--	EF	EF
105	Little Harbor	Falmouth	--	EF	EF
106	Great Harbor	Falmouth	--	EF	EF
107	Eel Pond (Woods Hole)	Falmouth	--	EF	EF
108	Quisset HArbor	Falmouth	--	EF	EF
109	Sippewisset Creek	Entire length	--	EF	EF
110	West Falmouth Harbor	--	--	EF	EF

CAPE COD (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
111	Herring Brook	Falmouth	--	EF	EF
112	Wild Harbor	--	--	EF	EF
113	Megansett Harbor	--	--	EF	EF
114	Red Brook Harbor	--	--	EF	EF
115	Pocasset Harbor	--	--	EF	EF
116	Phinneys Harbor	--	--	EF	EF
116A	Cape Cod Canal	Bourne	--	EF	EF

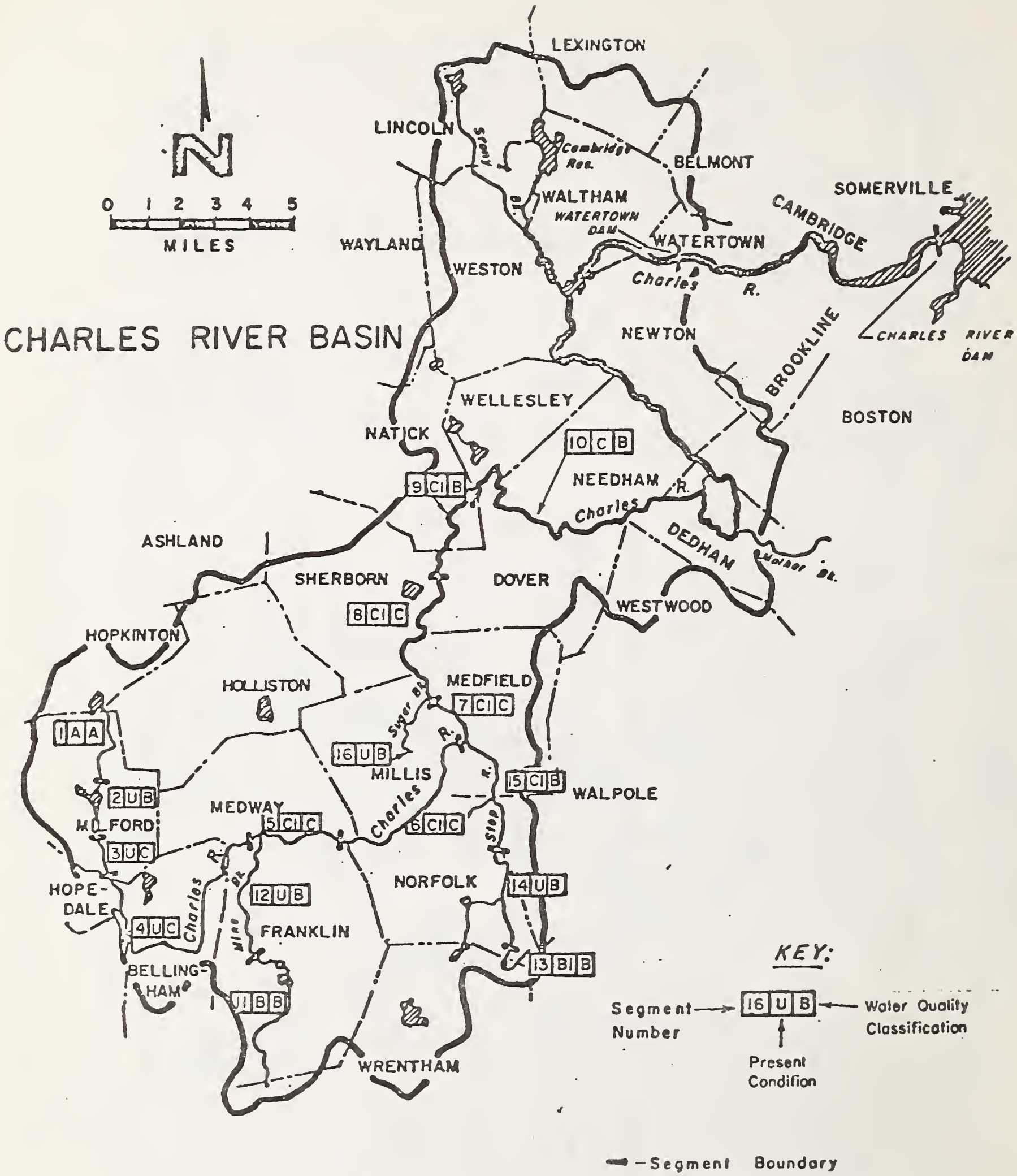


CAPE COD
DRAINAGE

SEGMENTATION MAP

CHARLES RIVER BASIN (20)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Charles River	Source to Dilla St., Milford	Above 76.5	AD	AD
2	Charles River	From Dilla St. to Main St., Milford	76.5-75.2	WQ	WQ
3	Charles River	From Main St. to Milford STP	75.2-73.4	WQ	WQ
4	Charles River	From Milford STP to Mine Brook	73.4-63.1	WQ	WQ
5	Charles River	From Mine Brook to outlet of Populatic Pond	63.1-58.9	WQ	WQ
6	Charles River	From outlet of Populatic Pond to Stop River	58.9-51.8	WQ	WQ
7	Charles River	From Stop River to Sugar Brook	51.8-49.8	WQ	WQ
8	Charles River	From Sugar Brook to Bridge Street, Dover	49.8-44.6	WQ	WQ
9	Charles River	From Bridge Street, Dover, to South Natick Dam	44.6-41.1	WQ	WQ
10	Charles River	From South Natick Dam to Watertown Dam	41.1-9.8	WQ	WQ
11	Mine Brook	Source to Franklin STP	Above 4.1	AD	AD
12	Mine Brook	Franklin STP to confluence	4.1-0.0	WQ	WQ
13	Stop River	Source to Pondville State Hospital	Above 7.8	AD	AD
14	Stop River	From Pondville State Hospital to Norfolk-Walpole MCI	7.8-4.0	AD	AD
15	Stop River	From Norfolk-Walpole MCI to confluence	4.0-0.0	AD	AD
16	Sugar Brook	From Rt. 109, Millis, to confluence	1.6-0.0	WQ	WQ



SEGMENTATION & STATUS

CHICOPEE RIVER BASIN (8)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Ware River	Above MDC intake	Above 29.1	AD	AD
2	Ware River	MDC intake to South Barre	29.1-27.3	AD	AD
3	Ware River	South Barre to Prince River	27.3-26.4	AD	AD
4	Ware River	Prince River to Wheelwright Dam	26.4-23.3	AD	AD
5	Ware River	Wheelwright Dam to Hardwick STP	23.3-15.6	EF	EF
6	Ware River	Hardwick STP to Ware Dam	15.6-12.2	EF	EF
7	Ware River	Ware Dam to Gibbs Crossing	12.2-8.8	WQ	WQ
8	Ware River	Gibbs Crossing to Thorndike Dam	8.8-3.2	WQ	WQ
9	Ware River	Thorndike Dam to confluence	3.2-0.0	WQ	WQ
10	Prince River	Entire length	8.4-0.0	AD	AD
11	Swift River	Above Winsor Dam	Above 9.8	AD	AD
12	Swift River	Winsor Dam to Bondsville	9.8-4.4	AD	AD
13	Swift River	Bondsville to confluence	4.4-0.0	EF	EF
14	Seven Mile River	Above Spencer STP	Above 2.4	AD	AD
15	Seven Mile River	Spencer STP to confluence	2.4-0.0	WQ	WQ
16	East Brookfield River	Source to Quaboag Pond	1.7-0.0	WQ	WQ
17	Quaboag River	Above Route 67 bridge	24.9-19.2	WQ	WQ
18	Quaboag River	Route 67 bridge to Warren STP	19.2-13.1	EF	EF
19	Quaboag River	Warren STP to Route 32 bridge	13.1-5.1	EF	EF
20	Quaboag River	Route 32 bridge to confluence	5.1-0.0	EF	EF
21	Dunn Brook	Above North Brookfield STP	Above 3.3	AD	AD
22	Dunn Brook	North Brookfield STP to confluence	3.3-0.0	WQ	WQ
23	Chicopee Brook	Entire length	--	AD	AD
24	Chicopee River	To Red Bridge Dam	17.9-15.2	EF	EF
25	Chicopee River	Red Bridge Dam to Wilbraham STP	15.2-11.7	EF	EF

CHICOPEE RIVER BASIN (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
26	Chicopee River	Wilbraham STP to Ludlow Dam	11.7-9.3	EF	EF
27	Chicopee River	Ludlow Dam to Indian Orchard Dam	9.3-7.8	EF	EF
28	Chicopee River	Indian Orchard Dam to Chicopee Falls	7.8-3.0	EF	EF
29	Chicopee River	Chicopee Falls to confluence	3.0-0.0	EF	EF

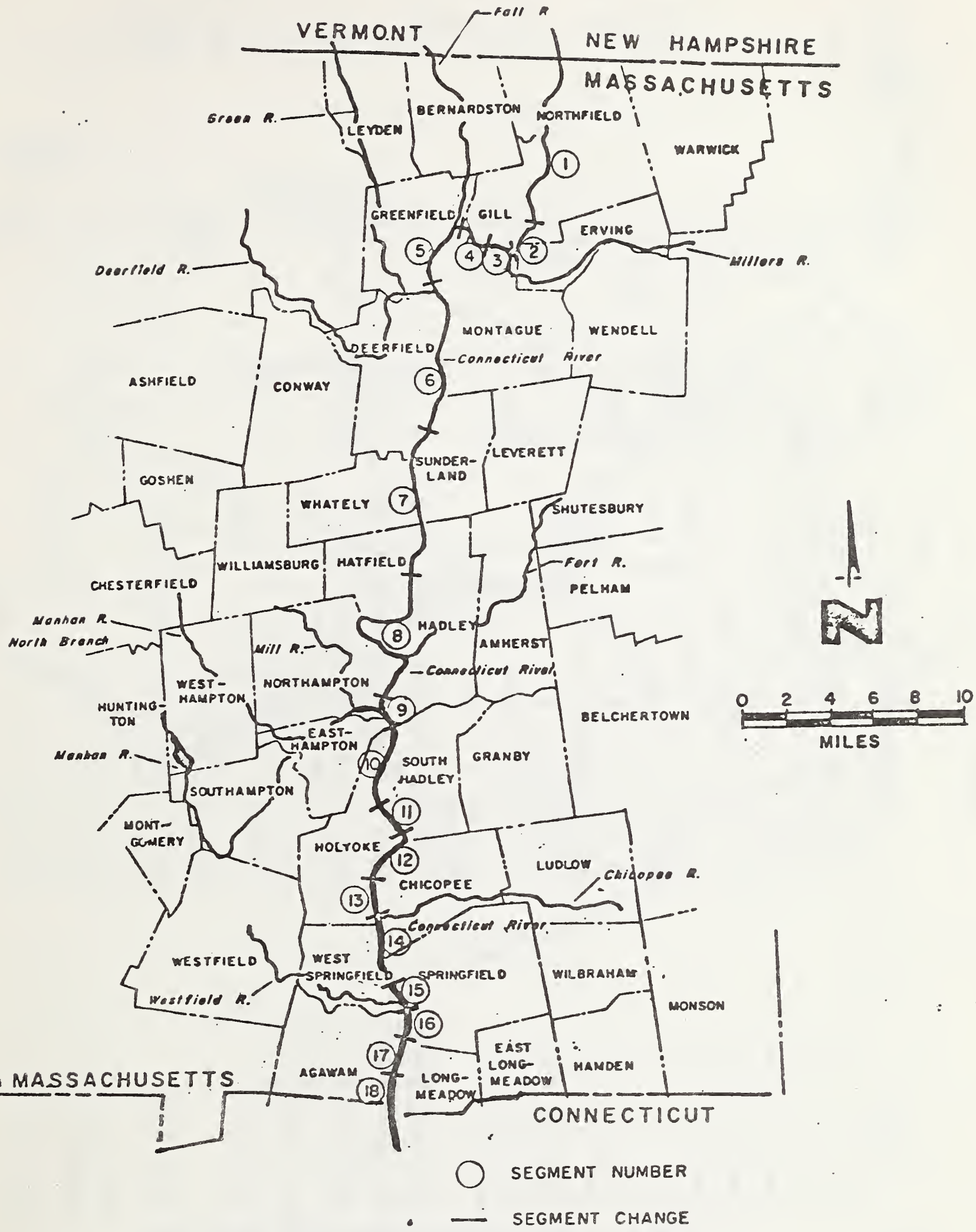
CHICOPEE RIVER BASIN

SEGMENTATION MAP

CONNECTICUT RIVER BASIN (6)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Connecticut River	Mass.-Vt.-N.H. state line to Northfield Reservoir intake	138.2-128.8	EF	EF
2	Connecticut River	Northfield intake to Millers River	128.8-127.7	EF	EF
3	Connecticut River	Millers River to Turners Falls backwater	127.7-126.0	EF	EF
4	Connecticut River	Turners Falls backwater to Turners Falls Dam	126.0-123.8	EF	EF
5	Connecticut River	Turners Falls Dam to Deerfield River	123.8-120.5	EF	EF
6	Connecticut River	Deerfield River to Sunderland STP	120.5-112.0	EF	EF
7	Connecticut River	Sunderland STP to Amherst outfall	112.0-106.5	EF	EF
8	Connecticut River	Amherst outfall to above Oxbow	106.5-94.0	EF	EF
9	Connecticut River	Above Oxbow to below Oxbow	94.0-93.1	EF	EF
10	Connecticut River	Below Oxbow to South Hadley backwater	93.1-88.3	EF	EF
11	Connecticut River	S. Hadley backwater to S. Hadley Dam	88.3-86.6	EF	EF
12	Connecticut River	S. Hadley Dam to Holyoke STP	86.6-83.7	EF	EF
13	Connecticut River	Holyoke STP to Chicopee River	83.7-80.7	EF	EF
14	Connecticut River	Chicopee River to Springfield STP	80.7-75.6	EF	EF
15	Connecticut River	Springfield STP to Westfield River	75.6-75.2	EF	EF
16	Connecticut River	Westfield River to Leonard Street	75.2-73.1	EF	EF
17	Connecticut River	Leonard Street to Riverside Park	73.1-71.5	EF	EF
18	Connecticut River	Riverside Park to Mass.-Conn. state line	71.5-70.7	EF	EF

CONNECTICUT RIVER BASIN

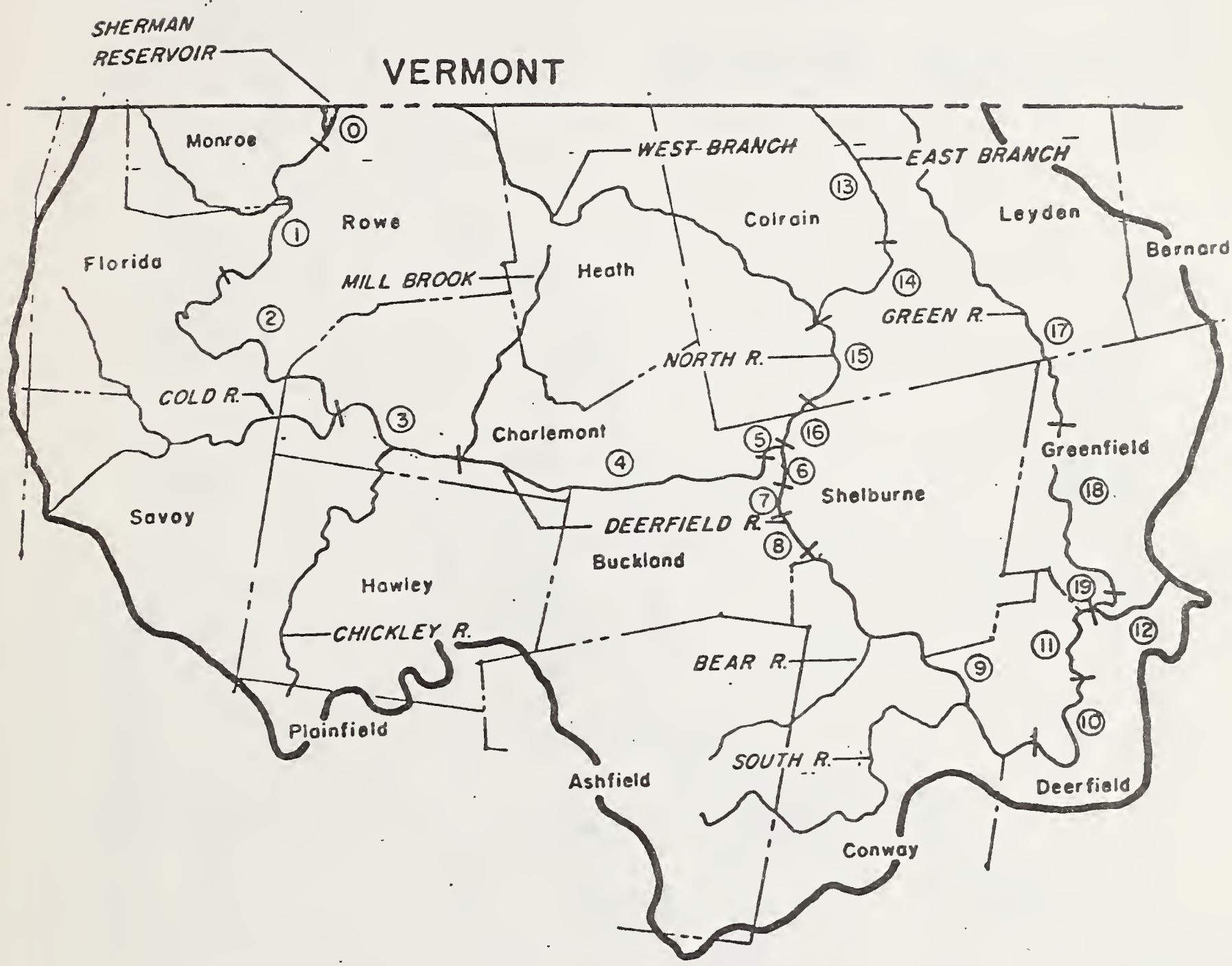


BASIN SEGMENTATION MAP

DEERFIELD RIVER BASIN (3)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
0	Deerfield River	Above Sherman Dam	Above 41.9	EF	EF
1	Deerfield River	Sherman Dam to Fife Brook Dam	41.9-37.8	EF	EF
2	Deerfield River	Fife Brook Dam to Cold River	37.8-29.3	EF	EF
3	Deerfield River	Cold River to Charlemont	29.3-24.9	EF	EF
4	Deerfield River	Charlemont to below Rt. 2 bridge	24.9-18.7	EF	EF
5	Deerfield River	Below Rt. 2 bridge to North River	18.7-18.2	EF	EF
6	Deerfield River	North River to Dam 4	18.2-16.3	EF	EF
7	Deerfield River	Dam 4 to Dam 3	16.3-15.3	EF	EF
8	Deerfield River	Dam 3 to Dam 2	15.3-13.4	EF	EF
9	Deerfield River	Dam 2 to Stillwater Bridge	13.4-7.6	EF	EF
10	Deerfield River	Stillwater Bridge to Deerfield Academy	7.6-4.5	EF	EF
11	Deerfield River	Deerfield Academy to Green River	4.5-2.0	EF	EF
12	Deerfield River	Green River to Connecticut River	2.0-0.0	EF	EF
13	North River	Above North River Cemetery and West Branch, North River	Above 6.2	AD	AD
14	North River	North River Cemetery to West Branch, North River	6.2-3.1	EF	EF
15	North River	West Branch, North River to Shattuckville gage	3.1-1.1	EF	WQ
16	North River	Shattuckville gage to Deerfield River	1.1-0.0	EF	WQ
17	Green River	Above Silver Street bridge	Above 3.5	AD	AD
18	Green River	Silver Street bridge to Greenfield STP	3.5-0.5	EF	EF
19	Green River	Greenfield STP to confluence	0.5-0.0	WQ	WQ

DEERFIELD RIVER BASIN



○ SEGMENT NUMBER

— SEGMENT CHANGE

BASIN SEGMENTATION MAP

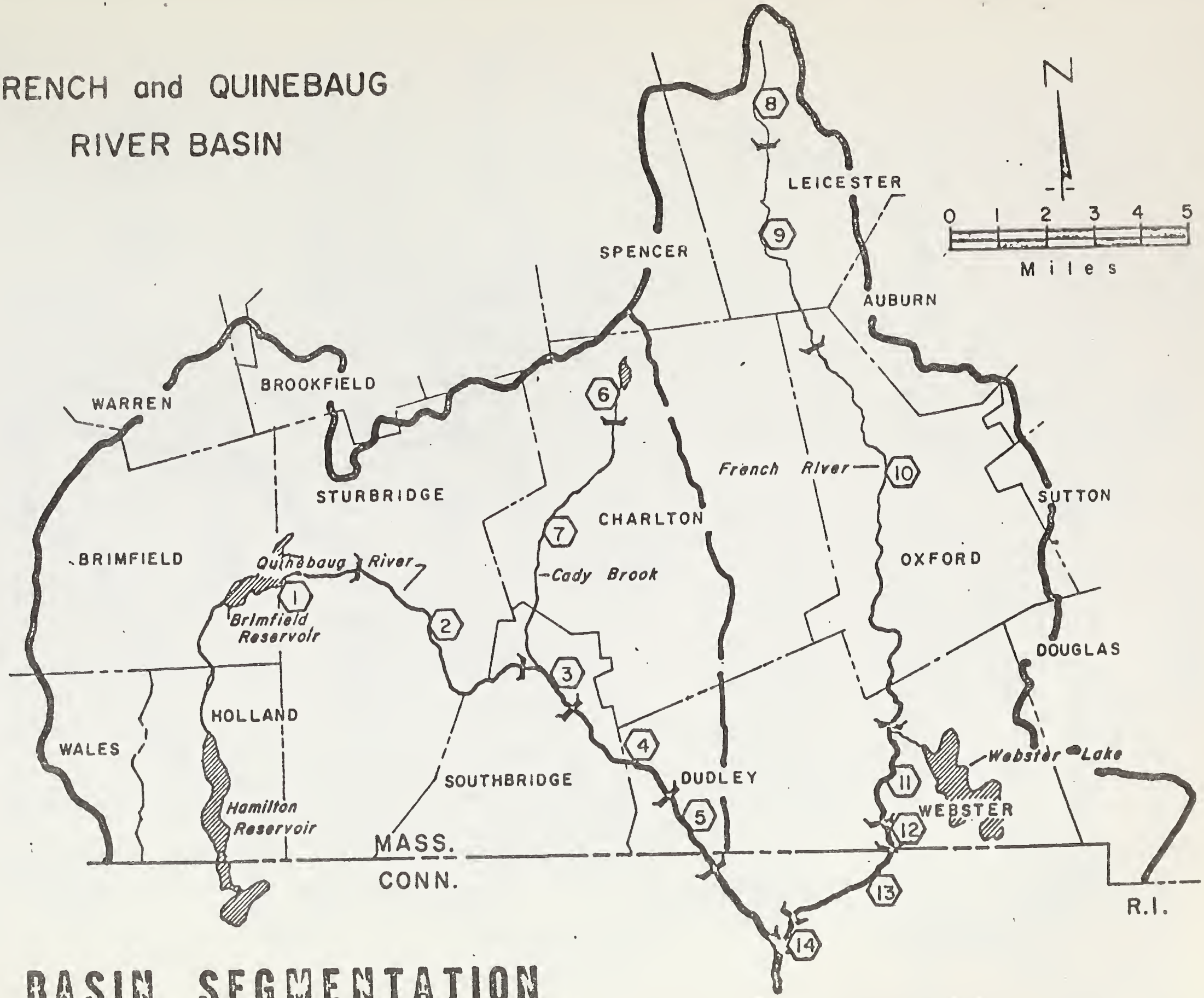
SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
--	All waters of the Farmington River Basin		--	AD	AD

FARMINGTON RIVER BASIN

SEGMENTATION MAP

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Quinebaug River	Hamilton Reservoir to Sturbridge STP	Above 19.7	AD	AD
2	Quinebaug River	Sturbridge STP to Cady Brook	19.7-13.4	EF	EF
3	Quinebaug River	Cady Brook to Southbridge STP	13.4-12.2	EF	WQ
4	Quinebaug River	Southbridge STP to West Dudley	12.2-10.1	WQ	WQ
5	Quinebaug River	West Dudley to state line	10.1-8.0	WQ	WQ
6	Cady Brook	Outlet of Glen Echo Lake to Charlton City	6.1-5.1	AD	AD
7	Cady Brook	Charlton City to Quinebaug River	5.1-0.0	WQ	WQ
8	French River	Sargent Pond to Leicester STP	27.7-27.0	AD	AD
9	French River	Leicester STP to Mass. Pike	27.0-22.2	WQ	WQ
10	French River	Mass. Pike to Mill Brook	22.2-10.8	EF	EF
11	French River	Mill Brook to Webster-Dudley STP	10.8-8.0	WQ	WQ
12	French River	Webster-Dudley STP to state line	8.0-7.1	WQ	WQ
13	French River	State line to Sunset Hill Brook	7.1-2.2	WQ	WQ
14	French River	Sunset Hill Brook to Quinebaug River	2.2-0.0	WQ	WQ

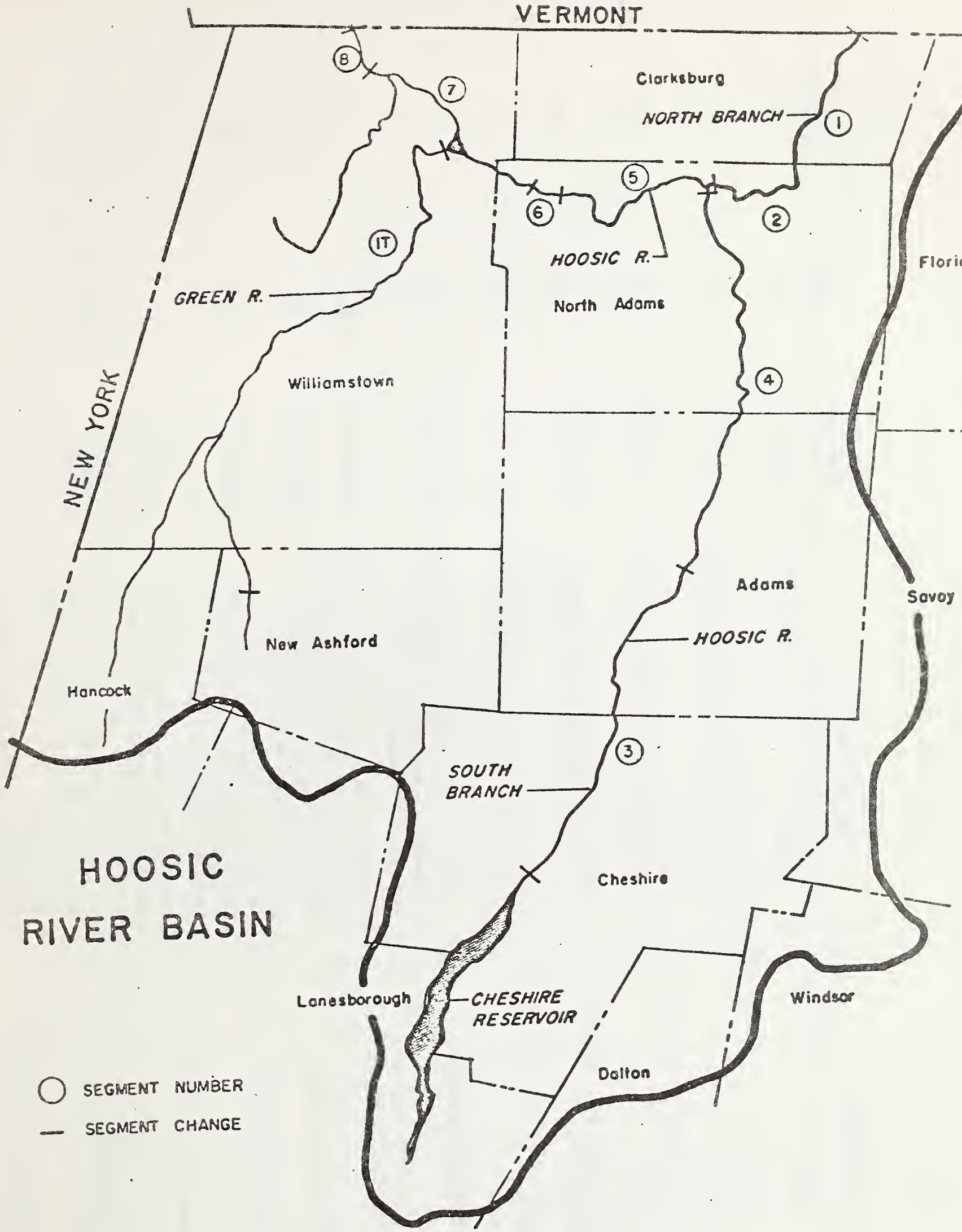
FRENCH and QUINEBAUG RIVER BASIN



BASIN SEGMENTATION

HOOSIC RIVER BASIN (1)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	North Branch, Hoosic River	From Mass.-Vt. state line to Clarksburg-North Adams town line	Above 10.0, 2.3	AD	AD
2	North Branch, Hoosic River	Clarksburg-North Adams town to confluence with South Branch, Hoosic River	10.0,2.3 - 10.0,0.0	AD	AD
3	South Branch, Hoosic River	From the outlet of Cheshire Reservoir to the Adams STP	23.5-15.4	AD	AD
4	South Branch, Hoosic River	From the Adams STP to the confluence with the North Branch, Hoosic River	15.4-10.3	EF	WQ
5	Hoosic River	From the confluence with the North Branch to the North Adams STP	10.3-7.4	EF	WQ
6	Hoosic River	From the North Adams STP to re-entrance of Widen Tannery diversion	7.4-6.7	EF	WQ
7	Hoosic River	From the re-entrance of Widen Tannery Diversion to the Williamstown STP	6.7-3.7	EF	WQ
8	Hoosic River	From the Williamstown STP to Route 364 bridge, Pownal, Vt.	3.7-0.0	EF	WQ
1T	Green River	From the Springs Restaurant, New Ashford, to confluence	5.6,9.2 -	EF	EF



BASIN SEGMENTATION MAP

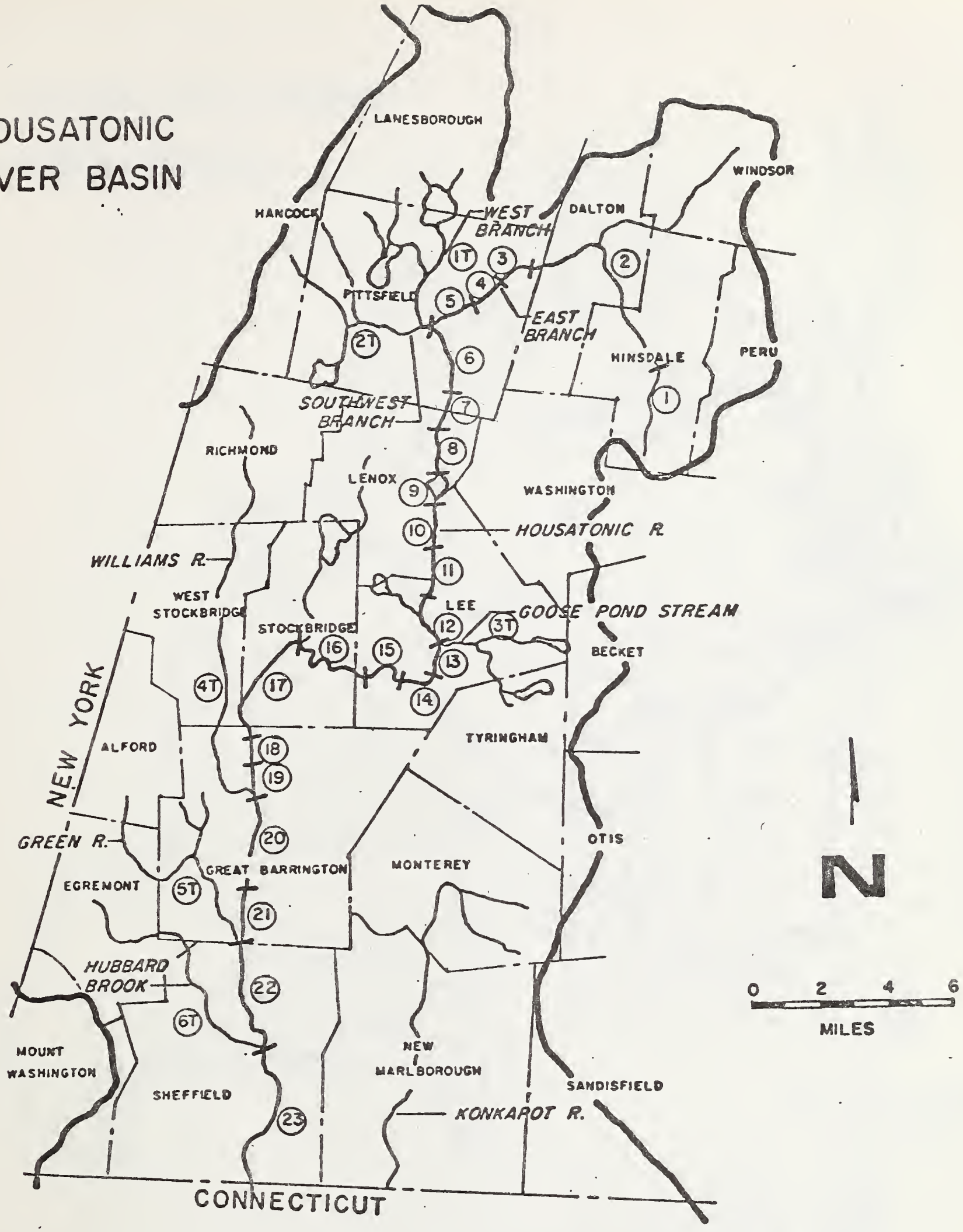
SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	East Branch, Housatonic River	Headwaters to Old Windsor Road, Dalton	Above 63.1	AD	AD
2	East Branch, Housatonic River	From Old Windsor Road, Dalton, to Crane Paper Co. STP outfall, Pittsfield	63.1-60.9	AD	AD
3	East Branch, Housatonic River	From Crane Paper STP outfall to confluence with Unkamet Brook, Pittsfield	60.9-59.3	WQ	WQ
4	East Branch, Housatonic River	From confluence with Unkamet Brook to Newell St., Pittsfield	59.3-57.1	WQ	WQ
5	East Branch, Housatonic River	From Newell St. to the confluence with the West and Southwest Branches, Pittsfield	57.1-55.4	WQ	WQ
6	Housatonic River	From the confluence of West and Southwest Branches to the Pittsfield STP	55.4-50.9	WQ	WQ
7	Housatonic River	From the Pittsfield STP to the North Lenox STP, Lenox	50.9-49.1	WQ	WQ
8	Housatonic River	From the North Lenox STP to the inlet of Woods Pond	49.1-46.3	WQ	WQ
9	Housatonic River	From the inlet of Woods Pond to the Lenox Center STP and outlet of Woods Pond	46.3-45.0	WQ	WQ
10	Housatonic River	From the Lenox Center STP and outlet of Woods Pond to the Lenoxdale STP, Lenox	45.0-43.6	EF	WQ
11	Housatonic River	From the Lenoxdale STP to the P.J. Schweitzer Paper Company STP, Lee	43.6-42.0	EF	WQ
12	Housatonic River	From the P.J. Schweitzer Paper Co. STP to the confluence with Goose Pond Stream	42.0-40.0	EF	WQ

HOUSATONIC RIVER BASIN (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
13	Housatonic River	From the confluence of Goose Pond Stream to the Lee STP	40.0-39.5	EF	WQ
14	Housatonic River	From the Lee STP to the Laurel Mill, Hurlbut Paper Company	39.5-36.3	EF	WQ
15	Housatonic River	From Laurel Mill to Willow Mill, Hurlbut Paper Company	36.3-35.3	EF	WQ
16	Housatonic River	From Willow Mill, Hurlbut Paper Co., to the confluence with Kampoosa Brook, Stockbridge	35.3-34.3	EF	WQ
17	Housatonic River	From confluence, Kampoosa Brook, to inlet, Rising Pond, Gt. Barrington	34.3-24.7	EF	EF
18	Housatonic River	From inlet to outlet, Rising Pond	24.7-24.4	EF	EF
19	Housatonic River	From outlet, Rising Pond, to the confluence with the Williams River, Great Barrington	24.4-23.3	EF	EF
20	Housatonic River	From the confluence, Williams River, to the Great Barrington STP	23.3-19.2	EF	EF
21	Housatonic River	From the Great Barrington STP to the confluence with the Green River, Great Barrington	19.2-15.9	EF	EF
22	Housatonic River	From the confluence, Green River, to the confluence with Hubbard Brook, Sheffield	15.9-9.0	EF	EF
23	Housatonic River	From the confluence, Hubbard Brook, to the Mass.-Conn. state line	9.0-0.0	EF	EF
1T	West Branch, Housatonic River	From its headwaters to confluence with the East Branch, Pittsfield	Above 55.4, 0.0	AD	AD
2T	Southwest Branch, Housatonic River	From its headwaters to confluence with the West Branch, Pittsfield	Above 55.4, 0.8,0.0	AD	AD
3T	Goose Pond Stream	From the Westfield River Paper Co. outfall to confluence with Housatonic River, Lee	40.0, 0.7-	AD	AD

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
4T	Williams River	From its headwaters to confluence with the Housatonic River, Great Barrington	Above 23.3, 0.0	EF	EF
5T	Green River	From its headwaters to confluence with the Housatonic River, Great Barrington	Above 15.9, 0.0	AD	AD
6T	Hubbard Brook	From its headwaters to confluence with the Housatonic River, Sheffield	Above 9.0, 0.0	AD	AD

HOUSATONIC RIVER BASIN



SEGMENTATION MAP

IPSWICH-PARKER RIVER BASIN (16-17)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Ipswich River	From its headwaters to the rise of the tide	--	AD	AD
2	Ipswich River	From the rise of the tide in Ipswich to Plum Island Sound	--	WQ	WQ
3	Parker River	From its headwaters to the rise of the tide	--	AD	AD
4	Mill River	From its headwaters to the confluence with the Parker River	--	AD	AD
5	Parker River	From the rise of the tide to its discharge into Plum Island Sound	--	AD	AD

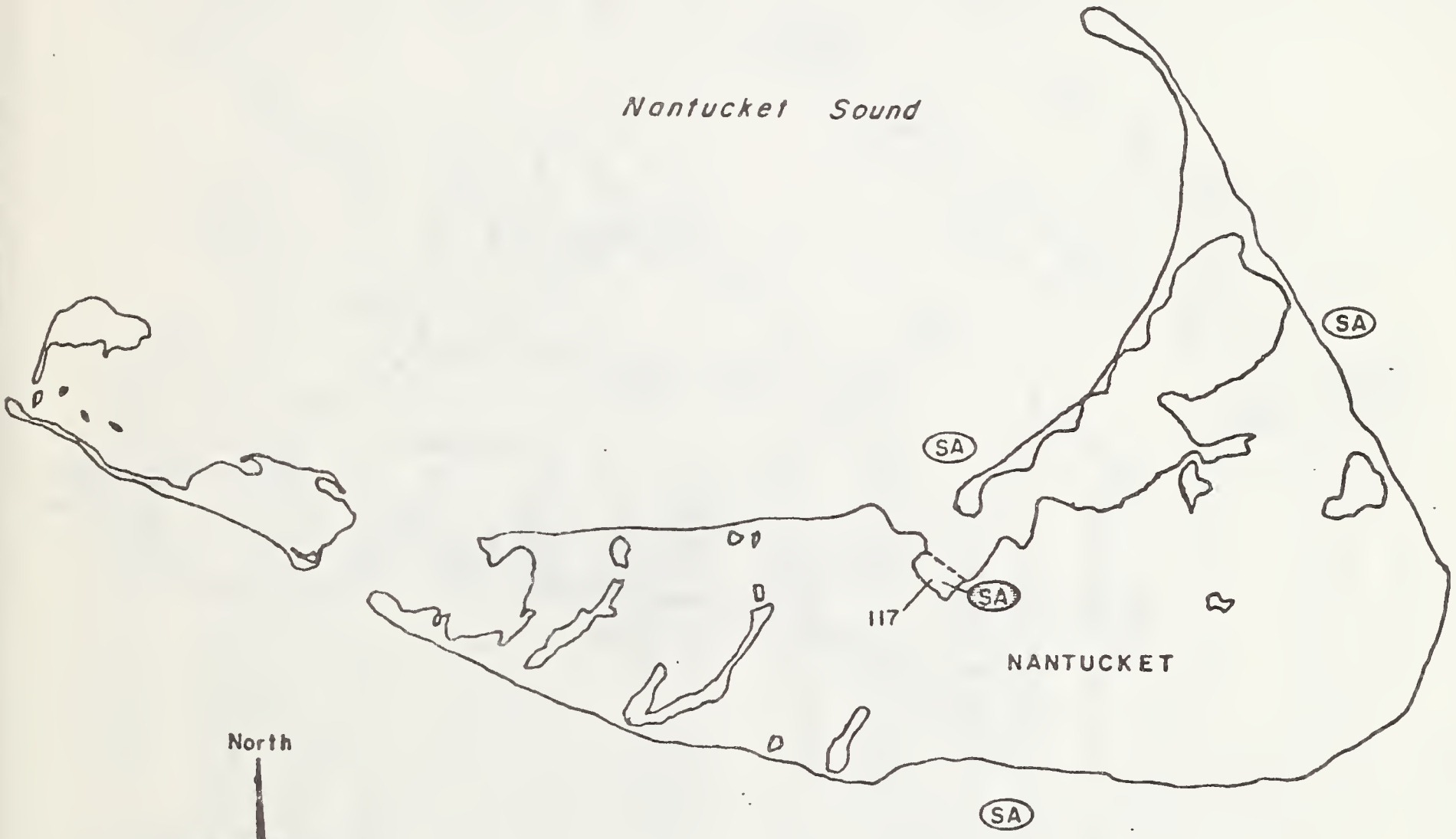
PARKER and IPSWICH RIVER BASINS

SEGMENTATION MAP

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
114	Nantucket Sound	Nantucket Harbor	--	EF	EF
115	Vineyard Sound	Gosnold	--	EF	EF

NANTUCKET

WATER QUALITY CLASSIFICATION and SEGMENTATION



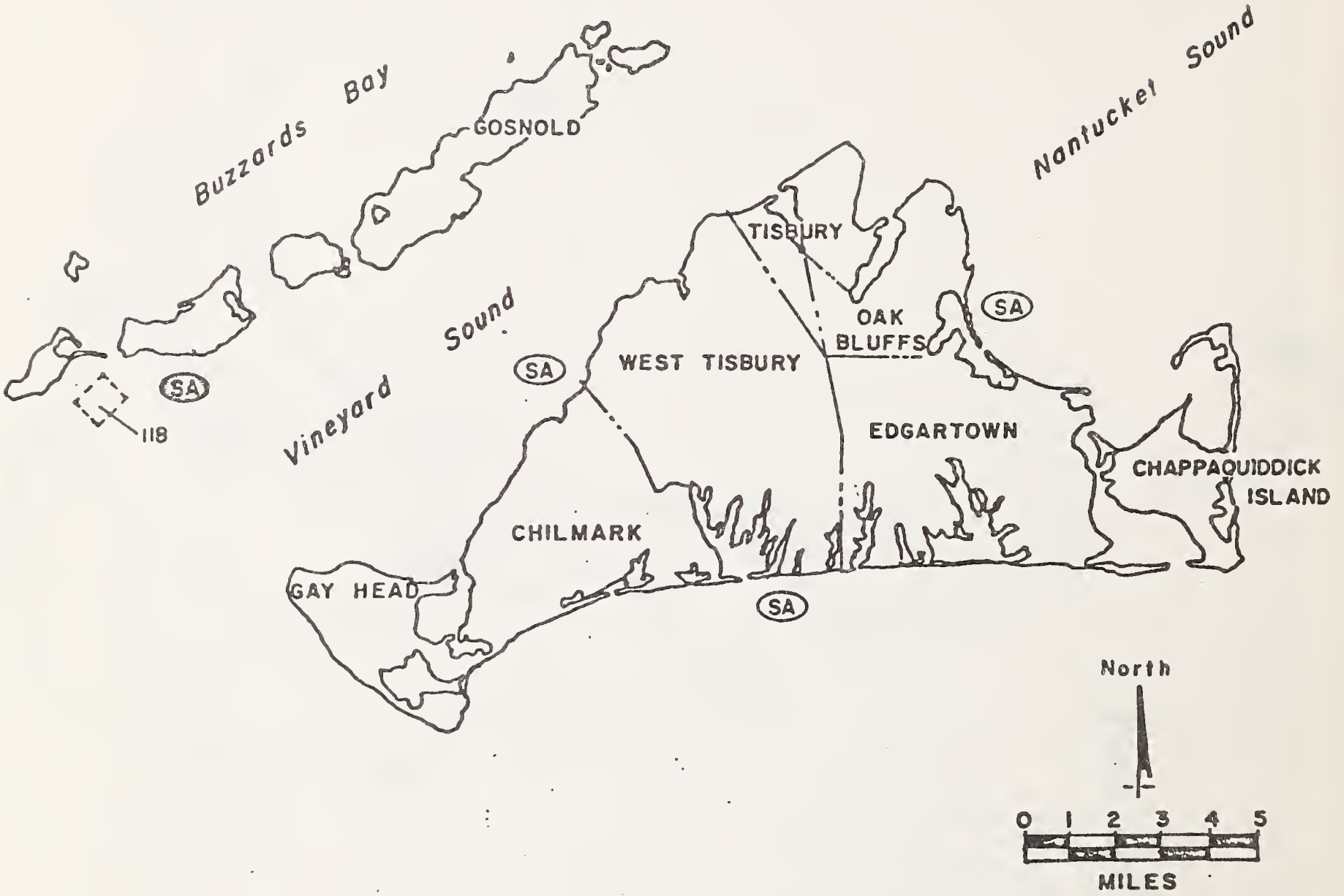
(SA) Water Quality Classification: all parameters meet standards.

(SA) Water Quality Classification: not all parameters meet standards.

117 Segment Number

DUKE'S COUNTY

WATER QUALITY CLASSIFICATION and SEGMENTATION



(SA) Water Quality Classification: all parameters meet standards.

(SA) Water Quality Classification: not all parameters meet standards.

118 Segment Number

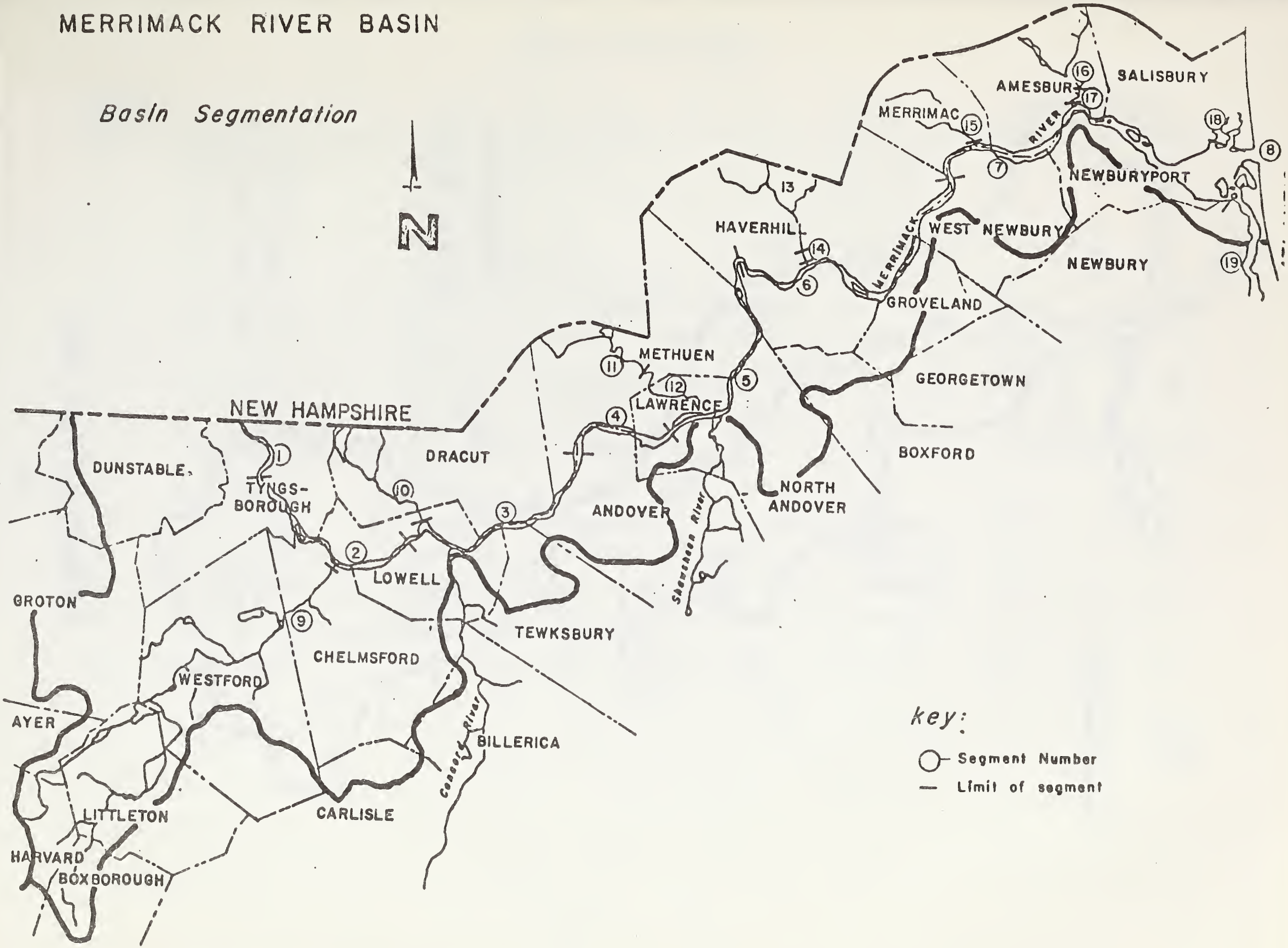
MERRIMACK RIVER BASIN (12)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Merrimack River	N.H.-Mass. state line to Tyngsborough bridge, Tyngsborough	49.82-47.35	EF	EF
2	Merrimack River	Tyngsborough Bridge to Pawtucket Dam, Lowell	47.35-40.60	EF	WQ
3	Merrimack River	Pawtucket Dam to Fish Brook, Andover	40.60-33.03	EF	WQ
4	Merrimack River	Fish Brook to dam in Lawrence	33.03-29.0	EF	WQ
5	Merrimack River	Dam in Lawrence to Creek Brook, Haverhill	29.0-21.85	EF	WQ
6	Merrimack River	Creek Brook to Rocks Village Bridge, Haverhill-West Newbury	21.85-11.80	EF	EF
7	Merrimack River	Rocks Village Bridge to Atlantic Ocean	11.80-0.0	EF	EF
8	Merrimack River	The Basin in the Merrimack River Estuary, Newbury-Newburyport	--	EF	EF
9	Stony Brook	Outlet of Forge Pond, Westford, to confluence with Merrimack River, Chelmsford	10.3-0.0	WQ	WQ
10	Beaver Brook	N.H.-Mass. line to confluence	4.2-0.0	WQ	WQ
11	Spickett River	N.H.-Mass. line to Rt. 28 bridge, Lawrence	6.4-2.8	WQ	WQ
12	Spickett River	Route 28 bridge to confluence	2.8-0.0	WQ	WQ
13	Little River	N.H.-Mass. line to Winter Street bridge, Haverhill	4.3-0.48	WQ	WQ
14	Little River	Winter Street bridge to confluence	0.48-0.0	WQ	WQ
15	Cobbler Brook	Entire length	3.67-0.0	WQ	WQ
16	Powwow River	N.H.-Mass. line to the point 1.25 miles from confluence with Merrimack R.	6.4-1.25	WQ	WQ
17	Powwow River	Point 1.25 miles upstream to confluence	1.25-0.0	WQ	WQ
18	Black Rock Creek	Entire length	1.70-0.0	WQ	WQ
19	Plum Island River	Plum Island Sound & Parker River to confluence	3.6-0.0	WQ	WQ

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
6	Shawsheen River	Maguire Road to confluence, Spring Brook	25.0-23.3	EF	EF
5	Shawsheen River	Confluence with Spring Brook to Boston Road, Route 3A	23.3-19.4	EF	EF
4	Shawsheen River	Boston Road, Rt. 3A, to Shawsheen Road at USGS gage	19.4-16.0	EF	EF
3	Shawsheen River	Shawsheen Road at USGS gage to Mill Street	16.0-12.2	EF	EF
2	Shawsheen River	Mill Street to Horn Bridge	12.2-5.9	EF	EF
1	Shawsheen River	Horn Bridge to confluence with Merrimack River	5.9-0.0	EF	EF

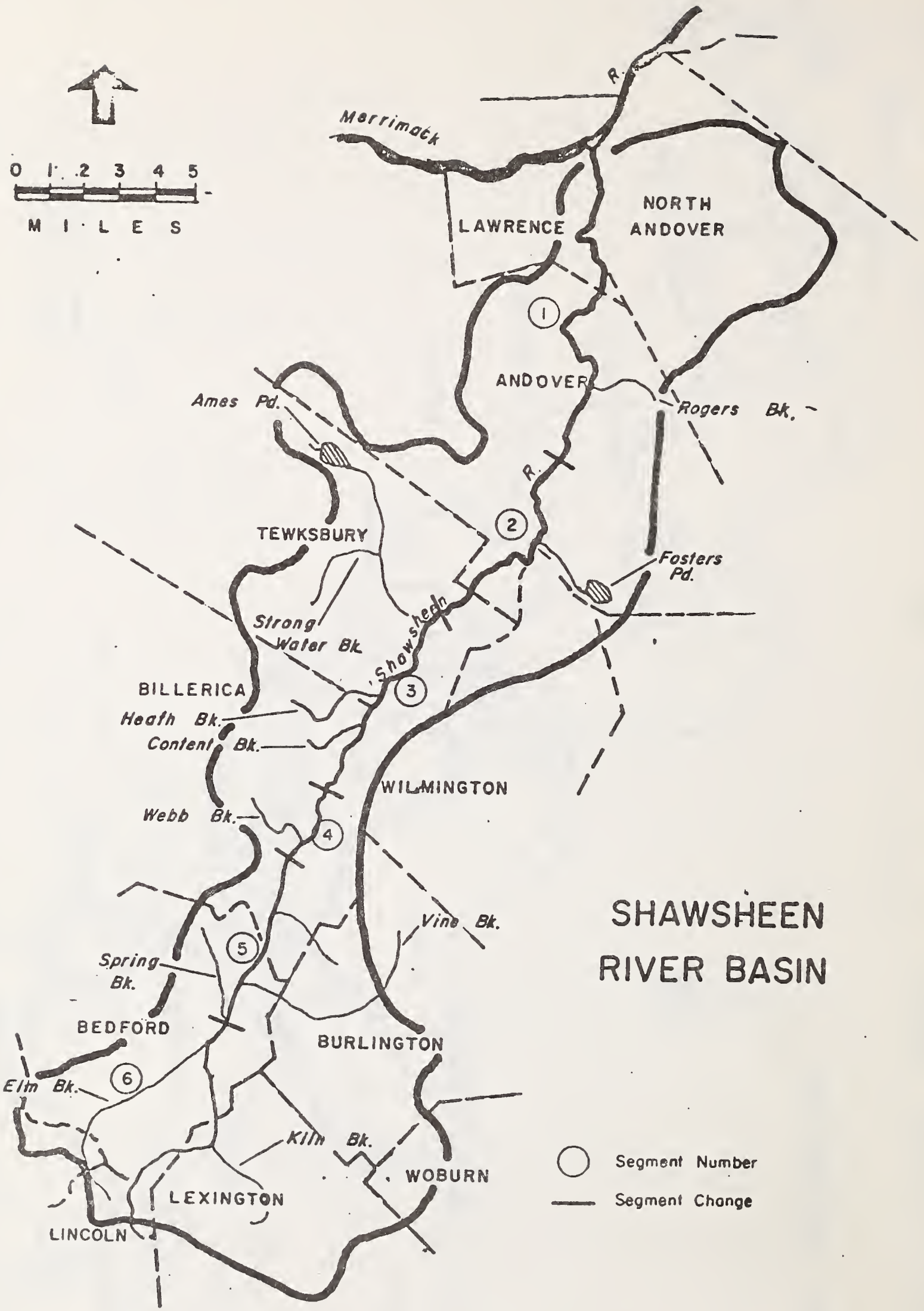
MERRIMACK RIVER BASIN

Basin Segmentation



key:

- ○— Segment Number
- — Limit of segment



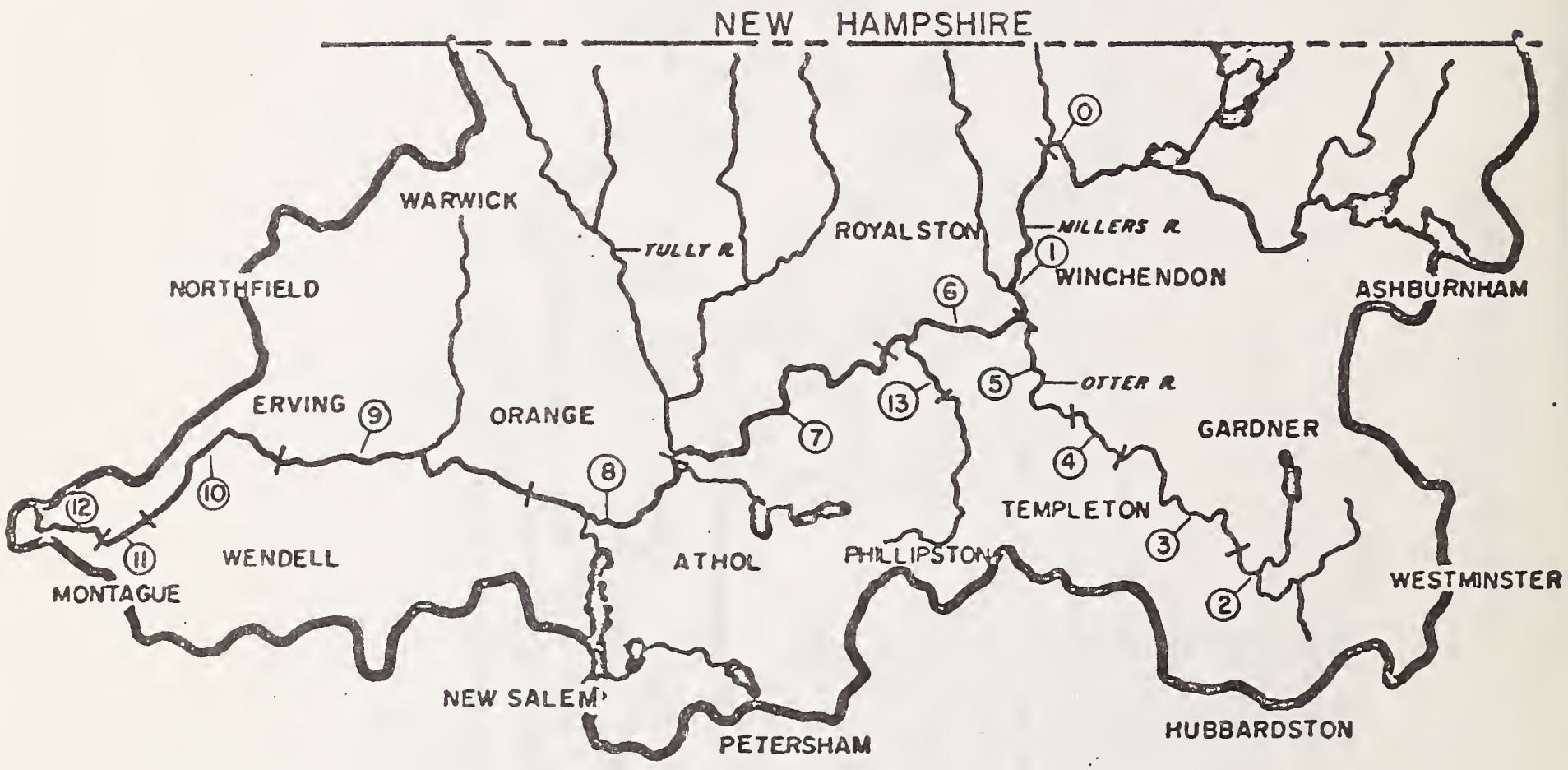
SHAWSHEEN RIVER BASIN

SEGMENTATION MAP

MILLERS RIVER BASIN (7)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
0	Millers River	Above Winchendon STP	Above 35.7	AD	AD
1	Millers River	Winchendon STP to confluence, Otter River	35.7-30.4	EF	EF
2	Otter River	Above Gardner STP	Above 9.7	AD	AD
3	Otter River	Gardner STP to Seaman Paper	9.7-5.3	WQ	WQ
4	Otter River	Seaman Paper to Baldwinville Products	5.3-3.9	EF	WQ
5	Otter River	Baldwinville Products to confluence, Millers River	3.9-0.0	WQ	WQ
6	Millers River	Otter River to South Royalston USGS gage	30.4-25.6	WQ	WQ
7	Millers River	South Royalston USGS gage to Tully River	25.6-19.1	WQ	WQ
8	Millers River	Tully River to Orange	19.1-13.6	WQ	WQ
9	Millers River	Orange to Erving Paper	13.6-8.1	EF	EF
10	Millers River	Erving Paper to Millers Falls Paper	8.1-2.3	EF	EF
11	Millers River	Millers Falls Paper to Falls Dam	2.3-1.8	EF	EF
12	Millers River	Millers Falls Dam to confluence with Connecticut River	1.8-0.0	EF	EF
13	Beaver Brook	From Fernald School to Millers River	3.1-0.0	EF	EF

THE
MILLERS RIVER BASIN



BASIN SEGMENTATION MAP

○ Segment Number

| Segment Change

NASHUA RIVER BASIN (10)

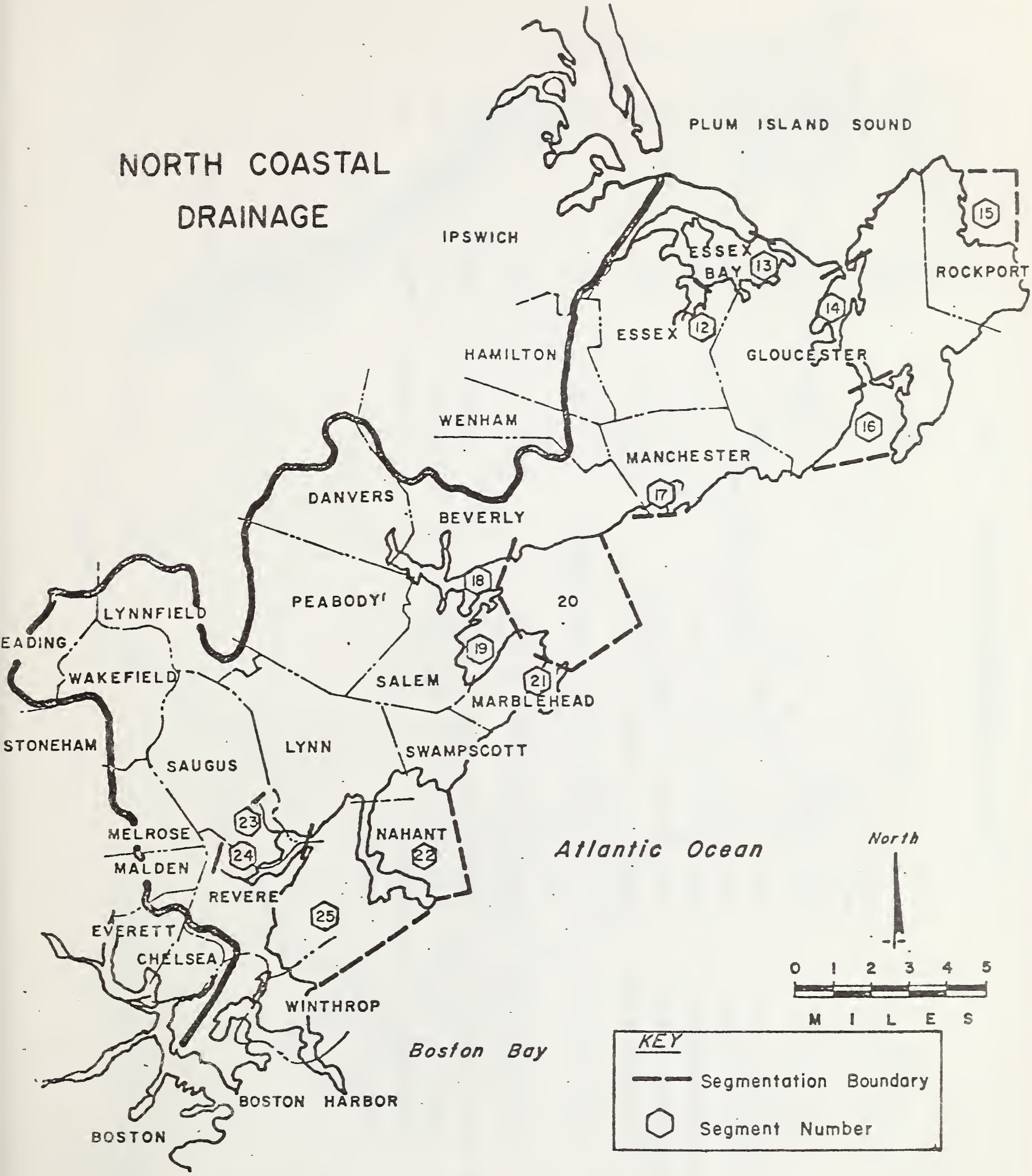
SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Nashua River	From confluence of the North and South Branches, Lancaster, to the Ice House Dam	36.45-26.10	WQ	WQ
2	Nashua River	From the Ice House Dam to the Pepperell Dam	26.10-14.15	WQ	WQ
3	Nashua River	From the Pepperell Dam to the Mass.-N.H. state line	14.15-10.52	WQ	WQ
4	North Nashua	From the Fitchburg Westerly STP to Daniel Street Bridge, Fitchburg	56.14-54.04	WQ	WQ
5	North Nashua	From the Daniel Street Bridge to the Fitchburg Easterly STP	54.04-48.53	WQ	WQ
6	North Nashua	From the Fitchburg Easterly STP to the Leominster STP	48.53-46.42	WQ	WQ
7	North Nashua	From the Leominster STP to the confluence with the South Nashua in Lancaster	46.42-36.45	WQ	WQ
8	South Nashua	From the outlet of Lancaster Millpond, Clinton, to the Clinton STP	4.60-1.57	WQ	WQ
9	South Nashua	From the Clinton STP to the confluence with the North Nashua in Lancaster	1.57-0.00	WQ	WQ
10	Flagg Brook	From the outlet of Sawmill Pond to the confluence with the Whitman River	1.20-0.0	AD	AD
11	Whitman River	From the outlet of Lake Wampanoag to the confluence with Flagg Brook	6.71-0.0	AD	AD
12	Phillips Brook	Entire length	8.0-0.0	AD	AD
13	Baker Brook	Entire length	2.33-0.0	WQ	WQ
14	Monoosnoc Brook	Entire length	5.67-0.0	WQ	WQ
15	Fall Brook	Entire length	3.03-0.0	WQ	WQ

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
16	Counterpane Brook	Entire length	1.14-0.0	WQ	WQ
17	Still River	Entire length	3.1-0.0	WQ	WQ
18	Catacoonamug Brook	Entire length	2.04-0.0	AD	AD
19	Nonacoicus Brook	Entire length	1.52-0.0	WQ	WQ
20	Squannacook River	From its source in Townsend to Hollingsworth and Vose, West Groton	14.33-3.57	AD	AD
21	Squannacook River	From Hollingsworth and Vose to its confluence with the Nashua River, Ayer	3.57-0.0	WQ	WQ
22	James Brook	Entire length	4.42-0.0	AD	AD

NASHUA RIVER BASIN
SEGMENTATION MAP

NORTH COASTAL BASIN (18)

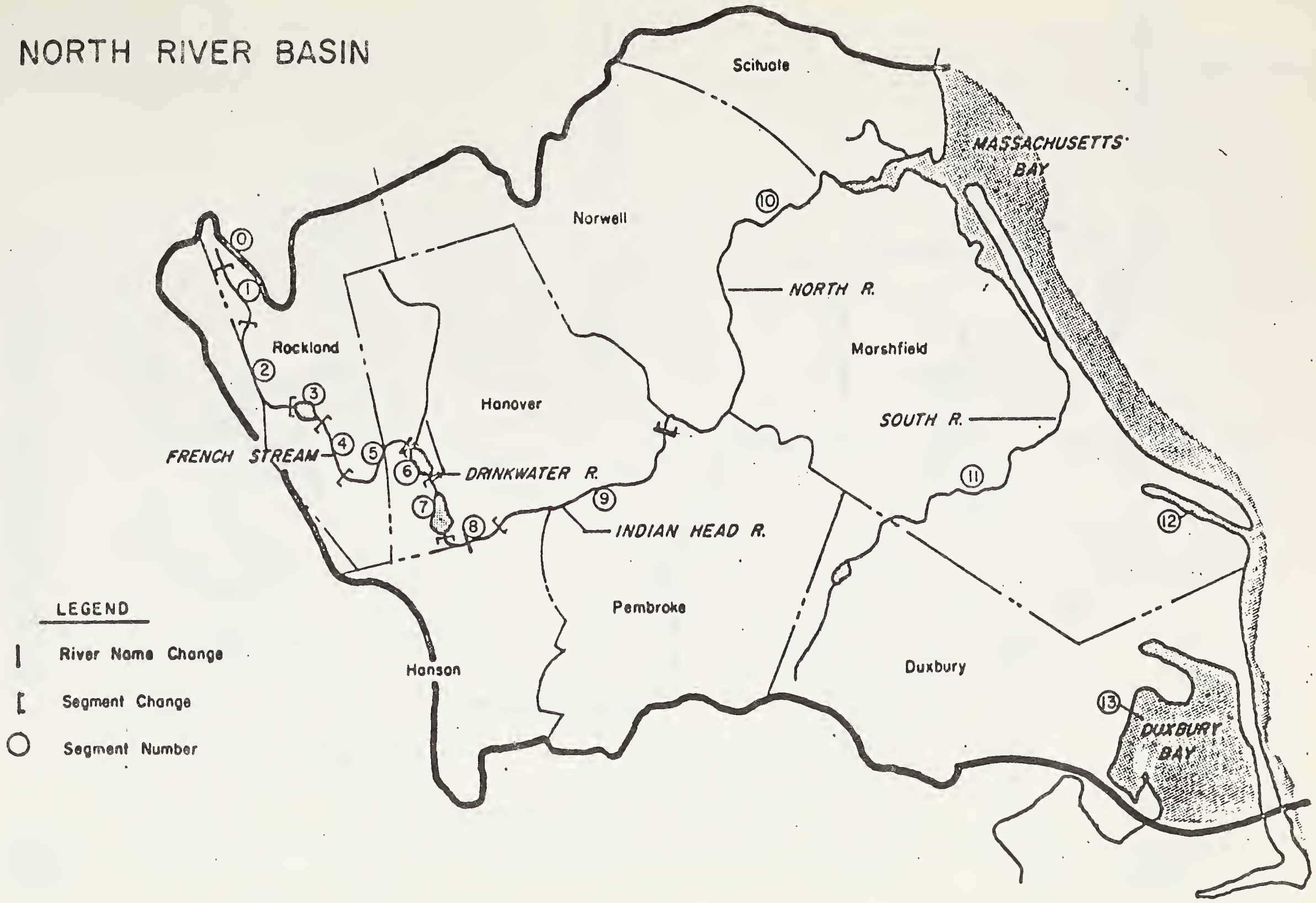
SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
12	Essex River	--	--	EF	AD
13	Essex Bay	--	--	EF	EF
14	Annisquam River	--	--	EF	AD
15	Sandy Bay	--	--	EF	EF
16	Gloucester Harbor	--	--	EF	EF
17	Manchester Harbor	--	--	EF	EF
18	Beverly Harbor	--	--	EF	EF
19	Salem Harbor	--	--	EF	EF
20	Salem-Beverly Harbor	--	--	EF	EF
21	Marblehead Harbor	--	--	EF	EF
21-22	Massachusetts Bay	Marblehead	--	EF	EF
22	Nahant Bay	--	--	EF	EF
23	Saugus	--	--	AD	AD
24	Pines River	Entire length	--	AD	AD
25	Lynn Harbor	--	--	EF	EF



SEGMENTATION MAP

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	French Stream	Weymouth Naval Air Station to North Abington STP	20.6-19.4	WQ	WQ
2	French Stream	North Abington STP to inlet, Studley Pond	19.4-18.7	WQ	WQ
3	French Stream	Inlet to outlet, Studley Pond	18.7-18.4	WQ	WQ
4	French Stream	Outlet, Studley Pond to Rockland STP	18.4-16.9	WQ	WQ
5	French Stream	Rockland STP to inlet, Forge Pond	16.9-15.7	WQ	WQ
6	Drinkwater River	Inlet to outlet, Forge Pond	15.7-15.3	WQ	WQ
7	Drinkwater River	Outlet, Forge Pond to outlet, Factory Pond	15.3-13.9	WQ	WQ
8	Indian Head River	Outlet, Factory Pond to South Hanover Dam	13.9-12.9	WQ	WQ
9	Indian Head River	South Hanover Dam to Curtis Crossing Dam	12.9-11.6	WQ	WQ
10	North River	Curtis Crossing Dam to ocean	11.6-0.0	EF	EF
11	South River	From headwaters to North River	10.6-0.0	AD	AD
12	Green Harbor	Entirety	--	AD	AD
13	Duxbury Bay	Entirety	--	AD	AD

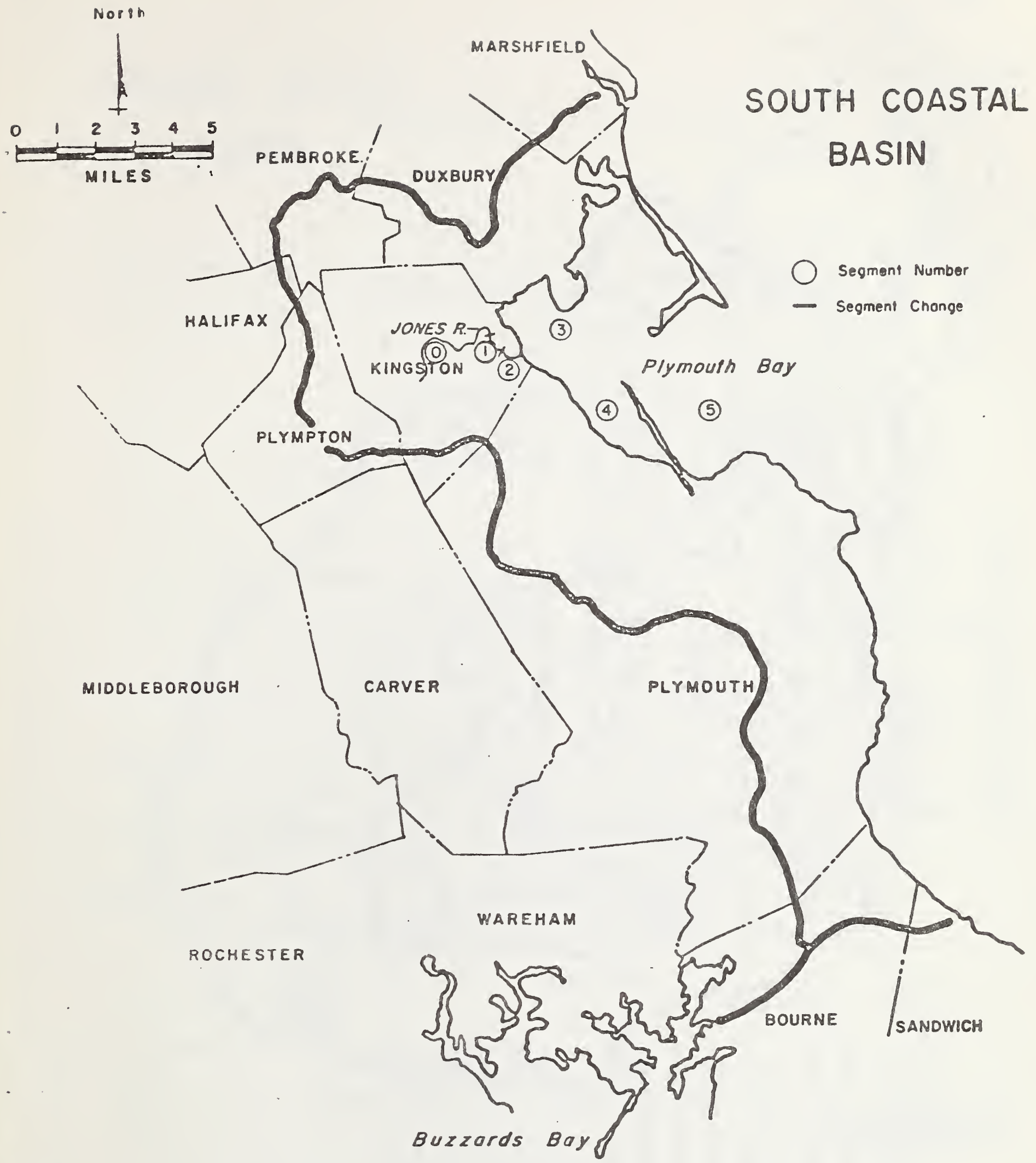
NORTH RIVER BASIN



BASIN SEGMENTATION MAP

SOUTH COASTAL BASIN (22)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
0	Jones River	Kingston, Plympton	Above 3.4	AD	AD
1	Jones River	Kingston	3.4-2.5	EF	EF
2	Jones River Estuary	--	2.5-0.0	EF	EF
3	Kingston Bay	--	--	EF	EF
4	Plymouth Harbor	--	--	EF	EF
5	Plymouth Bay	--	--	EF	EF



BASIN SEGMENTATION

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Sudbury River	Above outlet, Saxonville Pond	Above 16.4	AD	AD
2	Sudbury River	Outlet, Saxonville Pond to Wash Brook	16.4-11.0	WQ	WQ
3	Sudbury River	Wash Brook to confluence, Assabet River	11.0-0.0	WQ	WQ
1	Hop Brook	Marlborough East STP to Sudbury River	9.7-0.0	WQ	WQ
1	Concord River	Sudbury River to Billerica STP	15.2-4.0	WQ	WQ
2	Concord River	Billerica STP to Merrimack River	4.0-0.0	EF	WQ
1	Assabet River	Above Westborough STP	Above 30.4	WQ	WQ
2	Assabet River	Westborough STP to Shrewsbury STP	30.4-29.6	WQ	WQ
3	Assabet River	Shrewsbury STP to Rt. 20 dam, Northborough	29.6-26.5	WQ	WQ
4	Assabet River	Rt. 20 dam to Marlborough West STP	26.5-24.0	WQ	WQ
5	Assabet River	Marlborough West STP to Hudson STP	24.0-15.9	WQ	WQ
6	Assabet River	Hudson STP to outlet of Boons Pond	15.9-12.4	WQ	WQ
7	Assabet River	Outlet, Boons Pond, to Maynard STP	12.4-6.8	WQ	WQ
8	Assabet River	Maynard STP to Concord MCI	6.8-2.6	WQ	WQ
9	Assabet River	Concord MCI to Sudbury River	2.6-0.0	EF	EF

SUASCO RIVER BASIN

AsOl Segment Number

— Segment Change

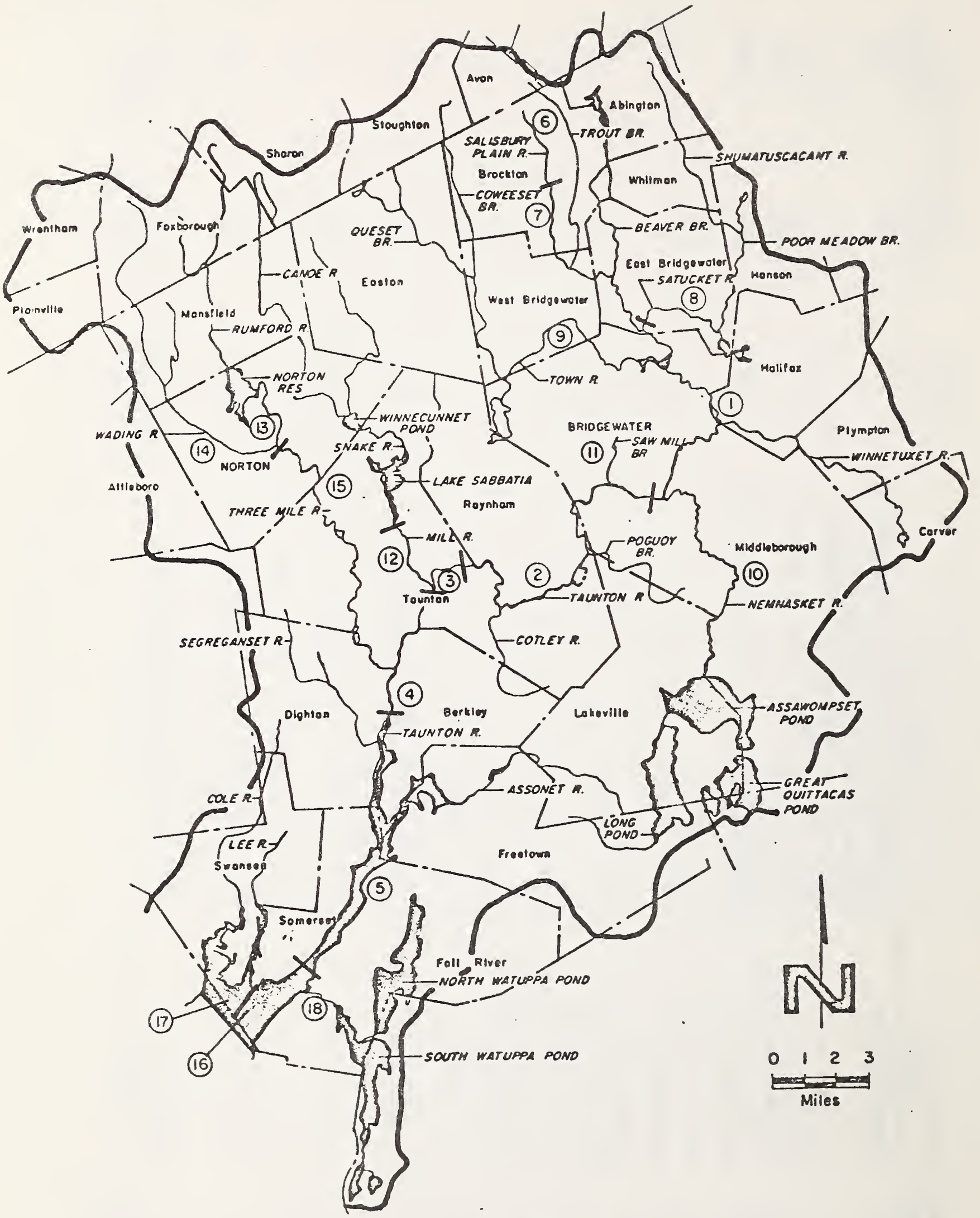
BASIN SEGMENTATION

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Taunton River	From its source to Nemasket River confluence	Above 33.9	WQ	WQ
2	Taunton River	From Nemasket River confluence to Route 24 bridge	33.9-21.7	WQ	WQ
3	Taunton River	From Rt. 24 bridge to Mill River confluence	21.7-18.5	WQ	WQ
4	Taunton River	From Mill River confluence to Berkley Bridge	18.5-13.0	WQ	WQ
5	Taunton River	From Berkley Bridge to mouth at Battleship Cove	13.0-2.7	EF	EF
6	Trout Brook	Entire length	--	EF	EF
7	Salisbury Plain and Matfield Rivers	Entire length	--	WQ	WQ
8	Satucket River and its tributaries	Entire length	--	WQ	WQ
9	Town River and its tributaries	Entire length	--	WQ	WQ
10	Nemasket River	Entire length	--	WQ	WQ
11	Saw Mill Brook	Entire length	-- WQ	WQ	
12	Mill River	From Whittenton Dam to confluence with Taunton River	3.5-0.0	EF	EF
13a	Rumford River	From source to outlet, Norton Reservoir	25.0-16.7	WQ	WQ
13	Rumford River	From outlet, Norton Reservoir, to confluence with Wading River	16.7-12.1	EF	EF
14	Wading River	From Chartly confluence to Rumford River confluence	5.2-0.0	WQ	WQ
15	Rumford River	From Wading River confluence to Taunton River	12.1-0.0	WQ	WQ
16	Mount Hope Bay	From Battleship Cope to a point east of a line drawn from Brayton Point to buoy 4 in Mt. Hope Bay and north from Mass.-R.I. state line	--	EF	EF

TAUNTON RIVER BASIN (Continued)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
17	Mount Hope Bay	Westerly of a line drawn from Brayton Point to buoy 4 in Mt. Hope Bay in Rhode Island and northerly from the Mass.-R.I. state line	--	WQ	WQ
18	Quequechan River	Entire length	--	WQ	WQ
19	Assonet River	Entire length	--	WQ	WQ

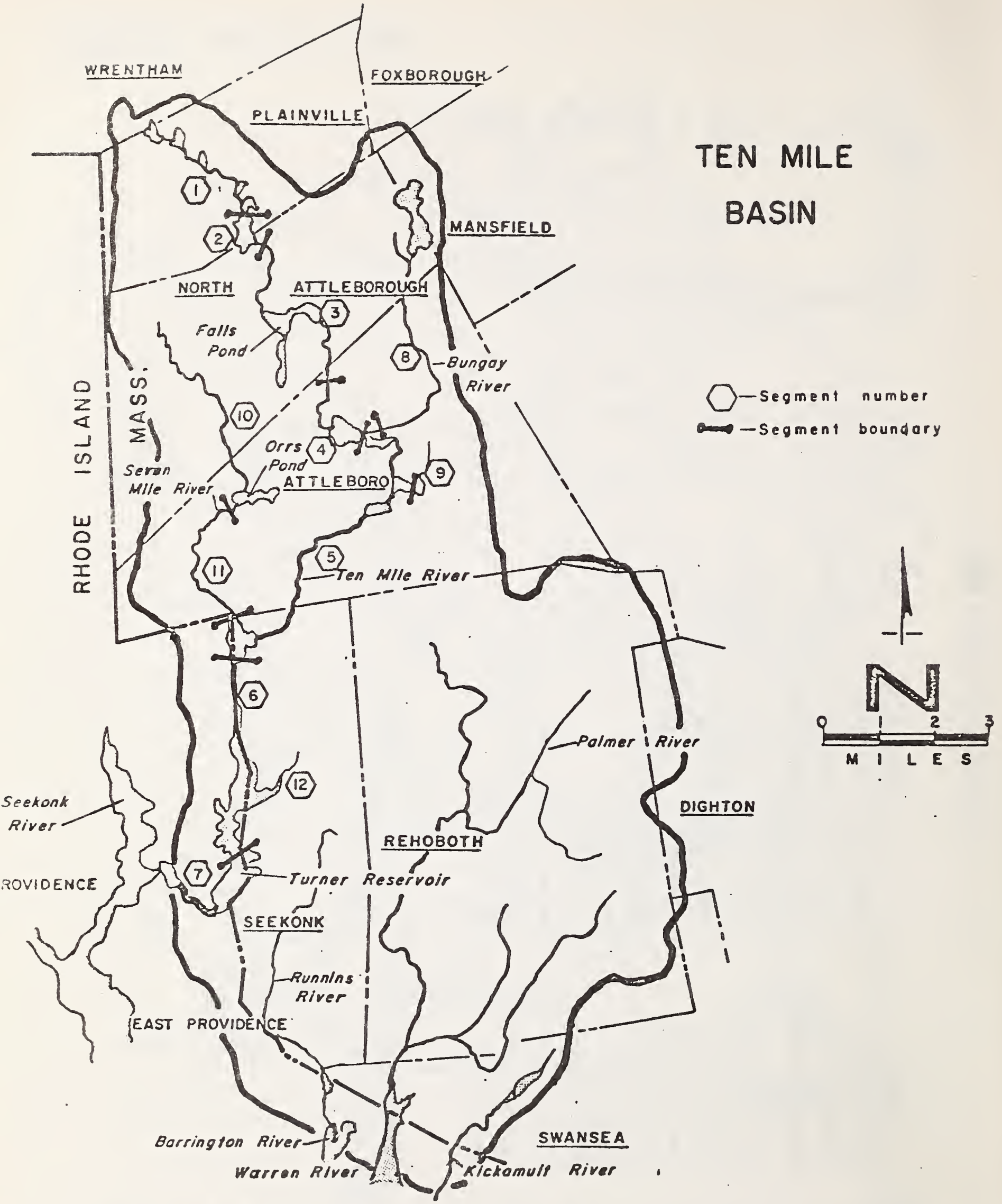
TAUNTON RIVER BASIN



SEGMENTATION MAP

TEN MILE RIVER BASIN (27)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
1	Ten Mile River	Above Plainville Center	Above 19.9	AD	AD
2	Ten Mile River	Plainville Center to Whiting Pond Dam	19.9-19.3	EF	EF
3	Ten Mile River	Whiting Pond Dam to North Attleborough STP	19.3-15.6	WQ	WQ
4	Ten Mile River	North Attleborough STP to Bungay River	15.6-14.1	WQ	WQ
5	Ten Mile River	Bungay River to Attleboro STP	14.1-7.7	WQ	WQ
6	Ten Mile River	Attleboro STP to Central Pond outlet	7.7-4.7	WQ	WQ
7	Ten Mile River	Central Pond outlet to mouth	4.7-0.0	WQ	WQ
8	Bungay River	Entire length	--	EF	EF
9	Speedway Brook	Entire length	--	WQ	WQ
10	Seven Mile River	Above Orrs Pond Dam	Above 2.5	AD	AD
11	Seven Mile River	Orrs Pond to Ten Mile River	2.5-0.0	AD	AD
12	Coles Brook	Entire length	--	AD	AD



BASIN SEGMENTATION

WESTFIELD RIVER BASIN (4)

SEGMENT NUMBER	STREAM	DESCRIPTION	MILE POINTS	CLASSIFICATION PHASE I	CLASSIFICATION PHASE II
0	Westfield River	Above the confluence of the West Branch and the West Branch above the Town of Chester	62.5-25.0 25.0 + 17.5-7.5	AD	AD
1	Westfield River	Lower West Branch and the main stem to Crescent Mills Dam	25.0+7.5-0.0 24.0-24.0	EF	EF
2	Westfield River	Crescent Mills Dam to Russell Falls Dam	24.0-21.1	EF	EF
3	Westfield River	Russell Falls Dam to Woronoco Dam	21.1-18.5	EF	EF
4	Westfield River	Woronoco Dam to Little River confluence	18.5-11.1	WQ	WQ
5	Little River	Source to Cobble Mountain Reservoir Dam	11.1 + above 13.0		
6	Little River	Cobble Mountain Reservoir Dam to Horton's Bridge	11.1 + 13.0-4.7	AD	AD
7	Little River	Horton's Bridge to confluence with Westfield River	11.1 + 4.7-0.0	EF	WQ
8	Powdermill Brook	From mile point 2.6 to confluence with Westfield River	10.0 + 2.6-0.0	AD	AD
9	Unnamed brook	From mile point 0.6 to confluence with Westfield River	8.5 + 0.6-0.0	AD	AD
10	Westfield River	From confluence with Little River to the West Springfield Dam	11.1-3.9	EF	EF
11	Westfield River	From West Springfield Dam to confluence with the Connecticut River	3.9-0.0	EF	EF

WESTFIELD RIVER BASIN

SEGMENTATION MAP

SECTION 11 - LEVEL OF DETAIL

1. Designated Planning Areas:

   The project control plans when approved will determine what will be done, the level of detail to which it will be done, and resources to be used for that purpose in the areas that have been designated and funded. The Merrimack Valley Planning Commission has been designated but not yet funded. When its designation is approved and funded by EPA, its PCP will dictate what will be done in that area.

2. State Planning Areas (Non-designated):

   The following attached charts/tables indicate the priorities by need for state planning areas, priorities for undertaking planning elements, a schedule for plan preparation for the selected elements, resource allocations and an overall schedule for the preparation and adoption of Phase II water quality management plans.

Should additional funding become available, elements would be added to the study based on their priority rating and cost.

It should also be noted that it is our intention to investigate the potential delegation of portions of the planning process and/or augmentation to the planning process to federal, state and regional agencies.

3. Areas not to be studied:

   Based on the preparation of the Phase I basin plans the following areas will not be studied due to financial constraints and the relatively minor water quality problems which exist or are expected to develop within the time frame of these studies.

Housatonic Basin:	Hancock	Sheffield
	Richmond	New Marlboro
	W. Stockbridge	Tyringham
	Alford	Washington
	Egremont	Peru
	Mount Washington	
French and Quinebaug Basin:	Brimfield	
	Wales	
	Holland	
Blackstone Basin:	Millville)	(Included in
	Blackstone)	Rhode Island 208 project.)
Suasco Basin:	Boxborough	
	Carlisle	

South Coastal Basin:	Halifax Kingston Plympton
Coastal (Buzzards Bay)	Gosnold.

SCHEDULE FOR PLAN PREPARATION
STATE PLANNING AREAS

PLAN ELEMENTS	Hoosic	Deerfield	Westfield	Farmington	Connecticut	Millers	Chicopee	Pepperell-Dunstable	Parker-Cape Ann	Nantucket
DWPC STAFF WORK:										
Review water quality standards	5/76-3/77	5/76-3/77	5/76-3/77	5/76-3/77	5/76-3/77	5/76-3/77	5/76-3/77	5/76-3/77	5/76-3/77	5/76-3/77
Water quality assessment Summarize regulatory programs Target abatement dates Identify management agencies Environmental impact assessment Municipal facility plans Combined sewer controls Industrial source controls Plan report (draft)	9/77-12/77	10/77-12/77	1/78-3/78	10/77-12/77	4/78-6/78	10/77-12/77	10/77-12/77	4/77-6/77	1/78-3/78	10/77-12/77
CONSULTANT STUDIES*:										
Land use and population projections	-----	10/76-10/77	10/76-10/77	10/76-10/77	10/76-	10/76-10/77	10/76-10/77	----	10/76-10/77	10/76-10/77
Residual disposal	10/76-10/77	-----	----	----		----	----		----	----
Urban and storm drainage	-----	-----	-----	----		-----	----		10/76-10/77	-----
Non-point source controls	10/76-10/77	-----	-----	-----	10/77	-----	-----	-----	10/76-10/77	-----
Load calculations	-----	-----	-----	----	----	-----	----	----	----	----
Legal, institutional arrangements	-----	-----	-----	----	----	-----	----	----	----	----

*Topics not studied will be included in the Water Quality Management Plan by DWPC staff, based on existing information. Additional studies will be undertaken in priority, should funds become available.

PRIORITIES FOR UNDERTAKING PLANNING ELEMENTS

STATE PLANNING AREAS

PLANNING ELEMENT	Hoosic	Deerfield	Westfield	Farmington	Connecticut	Millers	Chicopee	Pepperell-Dunstable	Parker-Cape Ann	Nantucket
Review Water quality standards	R	R	R	R	R	R	R	R	R	R
Water quality assessment	R	R	R	R	R	R	R	R	R	R
Summarize regulatory programs	R	R	R	R	R	R	R	R	R	R
Target abatement dates	R	R	R	R	R	R	R	R	R	R
Identify management agencies	R	R	R	R	R	R	R	R	R	R
Environmental Impact Assessment	R	R	R	R	R	R	R	R	R	R
Municipal Facilities Plans	R	R	R	-	R	R	R	-	R	R
Combined sewer controls	R	R	R	-	R	R	R	-	R	-
Industrial source controls	R	R	R	-	R	R	R	-	R	-
Additional Studies										
Land use and population projections	1	1	1	1	1	1	1	3	1	1
Residual disposal	1	2	2	2	2	1	2	2	1	2
Urban and storm drainage	3	3	3	-	1	3	3	3	1	2
Non-point source controls	1	3	3	1	2	2	3	3	1	2
Load calculations	2	-	3	-	3	3	3	-	-	-
Legal, institutional arrangements	2	2	3	2	3	3	1	-	2	1

R - Elements requiring revision
- - Present planning adequate
1 - High priority
2 - Moderate priority
3 - Low priority

PRIORITIES FOR ADDITIONAL PLANNING BY NEED

STATE PLANNING AREAS

PLANNING ELEMENT	Hoosic	Deerfield	Westfield	Farmington	Connecticut	Millers	Chicopee	Pepperell-Dunstable	Parker-Cape Ann	Nantucket
Review water quality standards	-	3	3	-	3	2	2	-	3	3
Water quality assessment	2	3	-	-	2	3	-	3	3	2
Summarize regulatory programs	2	3	3	-	3	3	3	3	-	2
Target abatement dates	2	3	-	-	3	3	2	3	-	3
Identify management agencies	2	2	3	2	3	3	1	-	2	1
Environmental Impact Assessment	1	1	1	1	1	1	1	-	3	2
Municipal Facilities Plans	2	2	2	3	3	3	1	3	3	2
Combined sewer controls	2	3	2	-	1	1	3	-	1	-
Industrial source controls	1	3	2	-	2	1	1	2	3	3
Land use and population projections	1	1	1	1	1	1	1	3	1	1
Residual disposal	1	2	2	2	2	1	2	2	1	2
Urban and storm drainage	3	3	3	-	1	3	3	3	1	2
Non-point source controls	1	3	3	1	2	2	3	3	1	2
Load calculations	2	-	3	-	3	3	3	-	-	-
Legal, institutional arrangements	2	2	3	2	3	3	1	-	2	1

1 - High priority
2 - Moderate priority
3 - Low priority

ALLOCATION OF FUNDS

Basin/Task	State Funds	Federal Funds	Total
Hoosic River			
1. Basin Report	$10,667	$ 400	$11,067
2. Residuals Study	—	20,000	20,000
3. Non-Point Study	—	20,000	20,000
Deerfield River			
1. Basin Report	10,667	400	11,067
2. Land Use & Population	—	20,000	20,000
Westfield River			
1. Basin Report	10,667	400	11,067
2. Land Use & Population	—	20,000	20,000
Farmington River			
1. Basin Report	10,666	400	11,066
2. Land Use & Population	—	6,000	6,000
Connecticut River			
1. Basin Report	10,667	400	11,067
2. Land Use & Population		30,000	30,000
3. Residuals Study		60,000	60,000
4. Urban & Storm Drainage Study		20,000	20,000
5. Non-Point Study		35,000	35,000
Millers River			
1. Basin Report	10,666	400	11,066
2. Land Use & Population	—	15,000	15,000
Chicopee River			
1. Basin Report	10,667	400	11,067
2. Land Use & Population	—	25,000	25,000

ALLOCATION OF FUNDS
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Basin/Task	State Funds	Federal Funds	Total
Pepperell-Dunstable Area			
1. Basin Report	$10,666	$ 400	$11,066
Parker-Cape Ann Area			
1. Basin Report	10,667	400	11,067
2. Land Use & Population	---	5,000	5,000
3. Urban & Storm Drainage Study	---	5,000	5,000
4. Non-Point Study	---	30,000	30,000
Nantucket			
1. Basin Report	10,666	400	11,066
2. Land Use & Population	---	5,000	5,000
	$106,666	$320,000	$426,666

SECTION 12 - IDENTIFICATION OF STATE PLANNING AGENCY

The State Planning Agency designated pursuant to 40 CFR Part 130.12(a) is the Department of Environmental Quality Engineering, 20th Floor, 100 Cambridge Street, Boston, Massachusetts 02202; David Standley, Commissioner.

The Department is located within the Executive Office of Environmental Affairs and was established by Chapter 806. The FY 1976 budget for the Department is $6,195,000.00 and there are approximately 300 employees currently. The Department, which is EPA's equivalent in the Commonwealth's structure, contains the following agencies:

Division of Administrative Services

Division of Planning

Legal Division

Division of Air Quality Control

Division of General Environmental Control

Division of Water Supply

Lawrence Experiment Station

Division of Outdoor Advertising/Outdoor Advertising Board

Division of Water Pollution Control/Water Resources Commission*

Division of Waterways

Division of Wetlands

Pesticide Division/Pesticide Board

Division of Mineral Resources

State Geologist

*The Commissioner of the Department is co-chairman of the Water Resources Commission, which is located within the Department of Environmental Quality Engineering.

SECTION 13 - STATE'S PROGRAM TO MANAGE PLANNING IN DESIGNATED REGIONAL PLANNING AGENCIES

The basic direction and content of the planning process in the designated areas is set by the creation, review, and approval of the project control plan. This process has for the most part already taken place and was participated in by 5 major State agencies. This process in conjunction with the performance of certain framework-type tasks (population projections, water quality modelling, etc.) by State agencies, ensures that the designated agencies programs relate to each other, address necessary concerns and can be accomplished in the time frame allowed. From the point of acceptance of the project control plan the following steps will be taken.

1) In order to continue to provide early direction to each designated agency, key State agencies will be funded to participate in area-wide planning advisory committees. These agencies are DEQE, and its DWPC, and OSP. In addition, other State agencies, either at their request or at the area-wide agency's request, are encouraged to participate. Other DEQE Divisions will participate, using their own resources.

2) The DEQE will assign individuals to work with each area-wide planning agency to monitor progress in relationship to the schedule set forth in the approved project control plan.

3) The assigned DEQE/DWPC personnel will assist the area-wide agency in meeting its milestones in any possible way.

4) To ensure that plans developed by area-wide agencies have the maximum potential for certification and subsequent integration into the State water quality plan, the DEQE, utilizing the review comments of various agencies, will identify issues and attempt to resolve them prior to the submission of the final plan for State adoption.

5) At the conclusion of the current 2-year planning period, issues unresolved will be addressed through the ongoing planning process called for in EPA regulations. This will be accomplished at the local, regional, or State level as appropriate and within the framework of final plan recommendations for priorities and available resources.

SECTION 14 - DELEGATION OF PLANNING WORK

A considerable portion of the planning in the State's areas of responsibility (non-designated) will be delegated to the Division of Water Pollution Control, 100 Cambridge Street, Boston, Massachusetts 02202, Thomas C. McMahon, Director. Jurisdiction is statewide.

As indicated previously, it is our intent to investigate additional potential delegations of the proposed planning and/or augmentation of the proposed planning with other regional, State, and federal agencies.

SECTION 15 - POLICY ADVISORY COMMITTEES

A Policy Advisory Committee to be chaired by the Department of Environmental Quality Engineering will be established in each of the State planning areas. The following list by area is a proposed list of non-State agencies that will be asked to participate. Additional agencies and individuals (especially those that have shown an interest in water pollution control in the past) will be canvassed for possible membership, although in order to keep the committee size manageable and to retain the required balance between local elected officials and other representatives, it is intended that committee size be 10 to 20 persons.

Citizen Advisory Committees, also to be established in each area, will be asked to appoint a representative to the Policy Advisory Committee. While this person would be the voting member, other CAC members would be welcome to attend PAC meetings.

State and Federal agencies will also be invited to send representatives to PAC meetings although again due to the need to achieve balance in voting, such representatives would attend on an ex officio basis.

Finally, to assist DEQE in its statewide co-ordination and conflict resolution role, the creation of a state-level policy advisory committee will be investigated. Such a committee would consist of representatives of State agencies, designated agencies, and citizen groups.

State Planning Area	Membership by Position
Hoosic Basin	Mayor, North Adams Chairman, Board of Selectmen: Adams Williamstown New Ashford Clarksburg Cheshire Berkshire County Regional Planning Commission Hoosic River Basin Citizen Environmental Protection Agency Environmental Chairwoman, League of Women Voters of North Adams Hoosac Water Quality District
Deerfield Basin	Chairman, Board of Selectmen: Charlemont Buckland Shelburne Greenfield Conway Monroe

State Planning Area	Membership by Position
Deerfield Basin continued.	Deerfield River Watershed Association Yankee Atomic Electric Deerfield Specialty Franklin County Department of Planning Berkshire County Regional Planning Com.
Westfield Basin	Mayor of Westfield Chairman, Board of Selectmen: Russell Huntington Chester Worthington West Springfield Berkshire County Regional Planning Commission Lower Pioneer Valley Regional Planning Commission Westfield River Watershed Association Stevens Paper Company
Farmington Basin	Chairman, Board of Selectmen: Otis Sandisfield Tolland Granville Farmington River Watershed Association Berkshire County Regional Planning Commission Otis Conservation Commission Lower Pioneer Valley Planning Commission
Connecticut Basin	Mayor: Springfield Northampton Holyoke Chairman, Board of Selectmen: Longmeadow Montague Northfield South Hadley Granby Agawam

State Planning Area	Membership by Position
Connecticut Basin continued.	Lower Pioneer Valley Regional Planning Commission Franklin County Department of Planning Environmental Chairwoman, League of Women Voters, Connecticut Valley Chapter Connecticut River Watershed Council Appalachian Mountain Club Northeast Utilities State of Connecticut Department of Planning New England River Basins Commission
Millers Basin	Mayor, Gardner Chairman, Board of Selectmen: Athol Orange Erving Templeton Winchendon Millers River Watershed Association Franklin County Department of Planning L.S. Starrett Montachusett Regional Planning Commission
Chicopee Basin	Mayor of Chicopee Chairman, Board of Selectmen: Wilbraham Ludlow Ware Palmer Monson Lower Pioneer Valley Regional Planning Commission Ware Conservation Commission Diamond International Monsanto Company
Pepperell-Dunstable	Chairman, Board of Selectmen: Pepperell Dunstable Montachusett Regional Planning Commission Northern Middlesex Area Commission Nashua River Watershed Association

State Planning Area	Membership by Position
Parker-Cape Ann Area	Chairman, Board of Selectmen: Boxford Essex Ipswich Newbury Rockport Rowley Mayor, City of Gloucester Gloucester Conservation Commission Ipswich River Watershed Association Merrimack Valley Planning Commission Metropolitan Area Planning Council
Nantucket Island Area	Chairman, Nantucket Board of Selectmen Nantucket Planning and Economic Development Commission Nantucket Conservation Commission Nantucket Historic District Commission Nantucket Department of Public Works Nantucket Island Chamber of Commerce Nantucket Electric Company Island Service Company, Inc. Wannacomet Water Company Nantucket Board of Health